

Figure 1

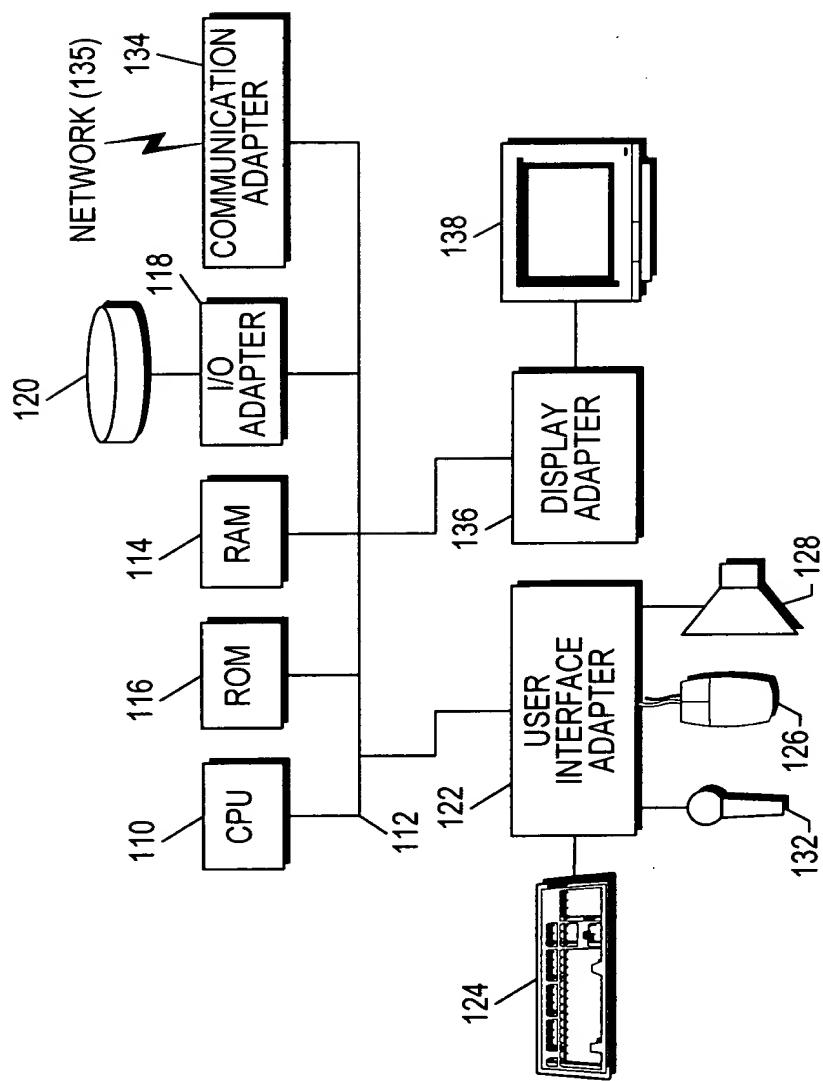
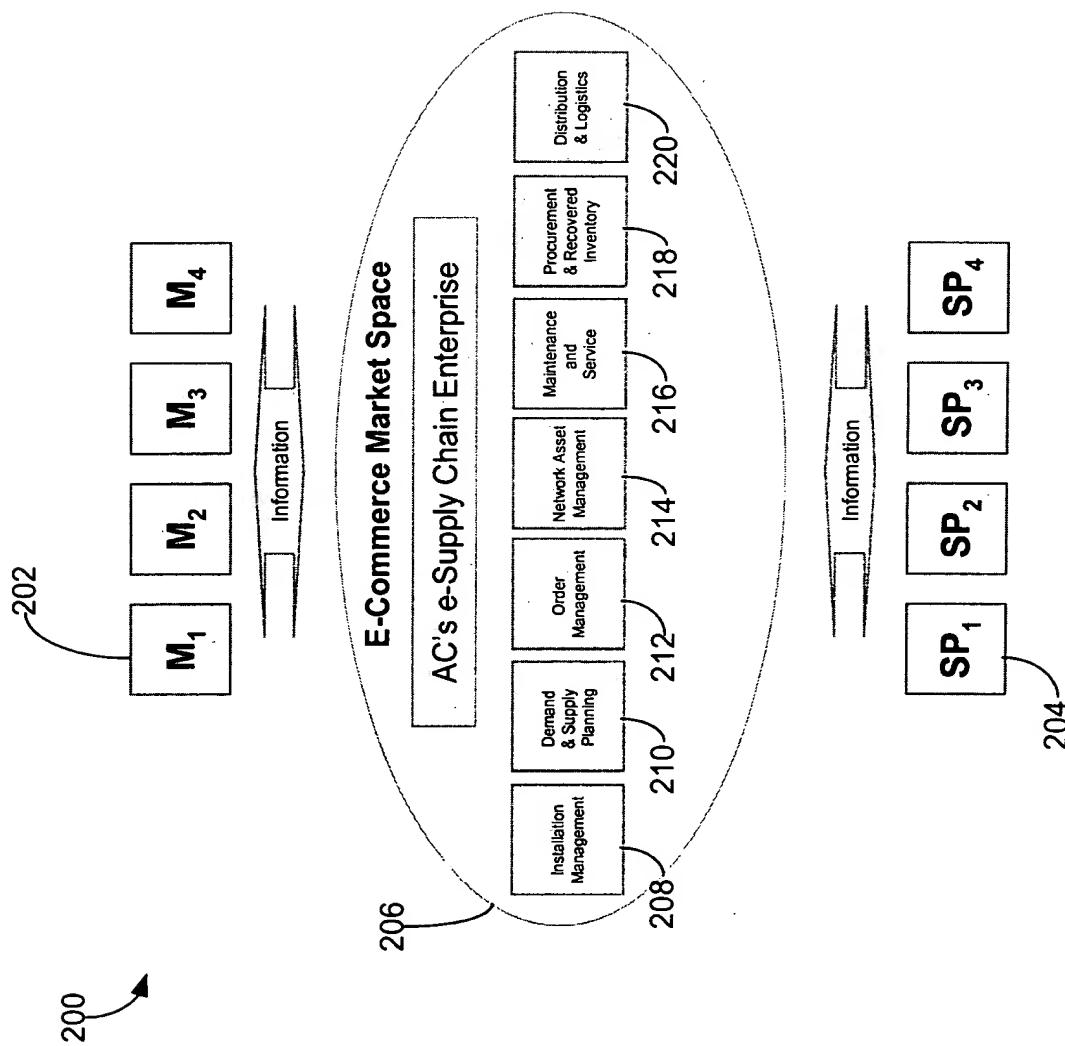


Figure 2



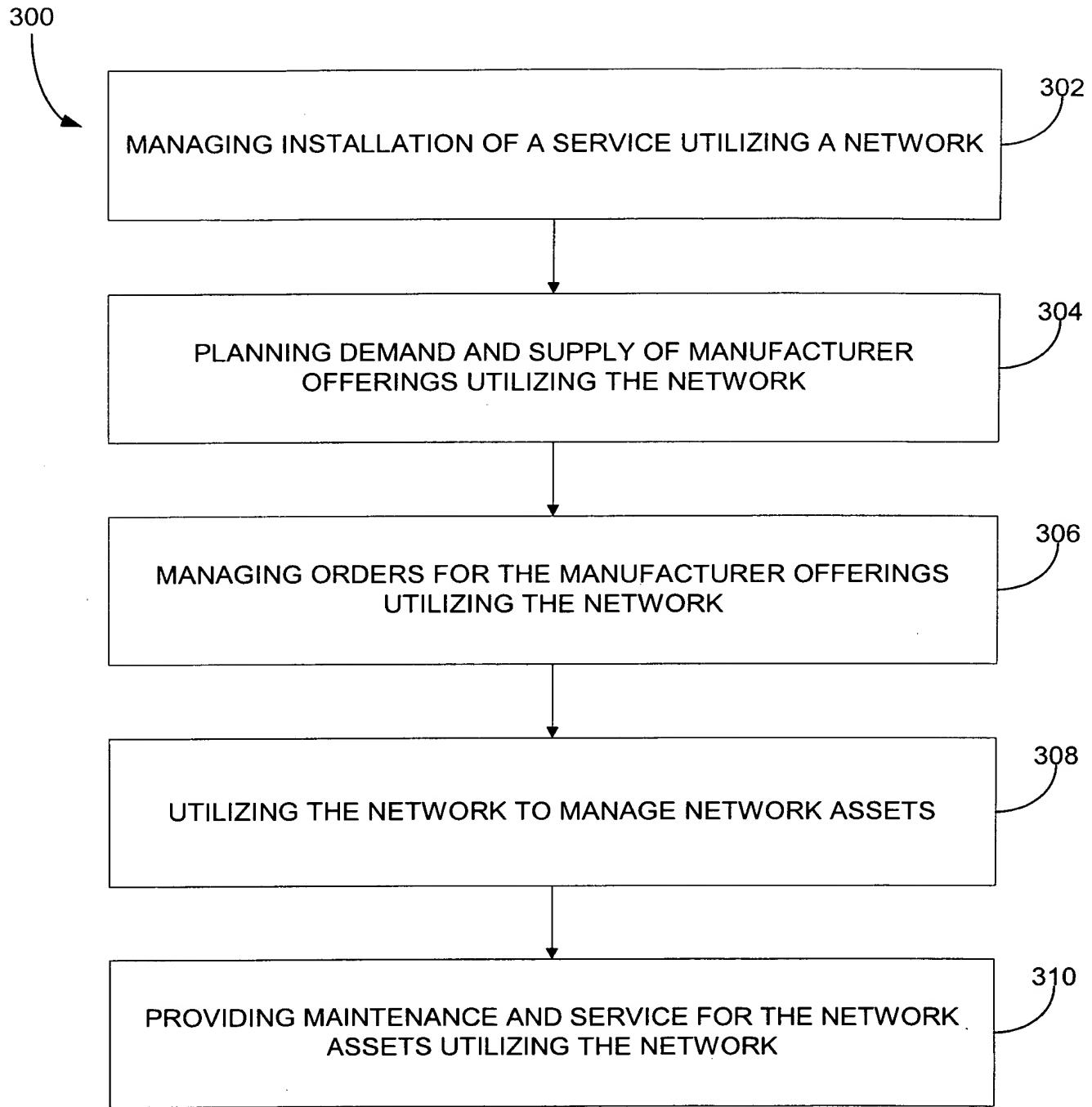
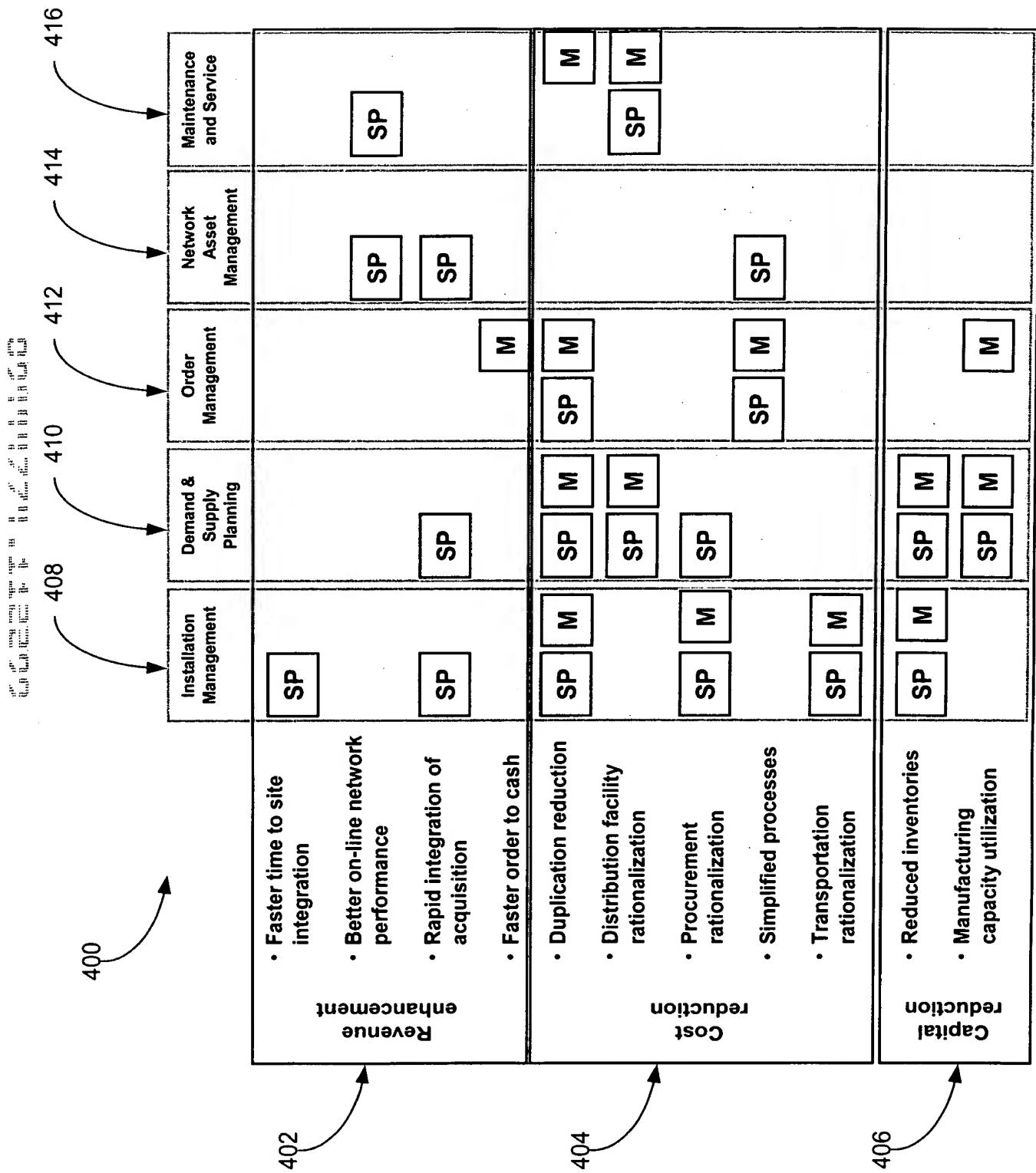


Figure 3

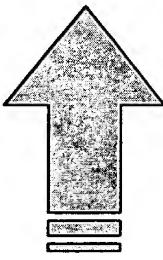
Figure 4



Core Competencies

502	<p>Service Provider</p> <ul style="list-style-type: none">• New customer acquisitions• New customer segmentation strategy• Strategic technology mgmt• Technology life cycle management• New service offerings
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506	<p>Service Provider</p> <ul style="list-style-type: none">• Provide an open access channel for new service offerings from the manufacturer• Move to a focus on platform release strategy in line with service offerings
-----	---



New Business Relationships

504	<p>Manufacturer</p> <ul style="list-style-type: none">• Focus on managing the customer relationship• Focus on managing production capacity• Focus on R & D• Focus on market coverage roll out
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508	<p>Manufacturer</p> <ul style="list-style-type: none">• Gain the potential to reposition the network as a platform for their solutions pipeline<ul style="list-style-type: none">• The ability for the manufacturer to build strategic alliances with solution integrators becomes a critical differentiator
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Figure 5

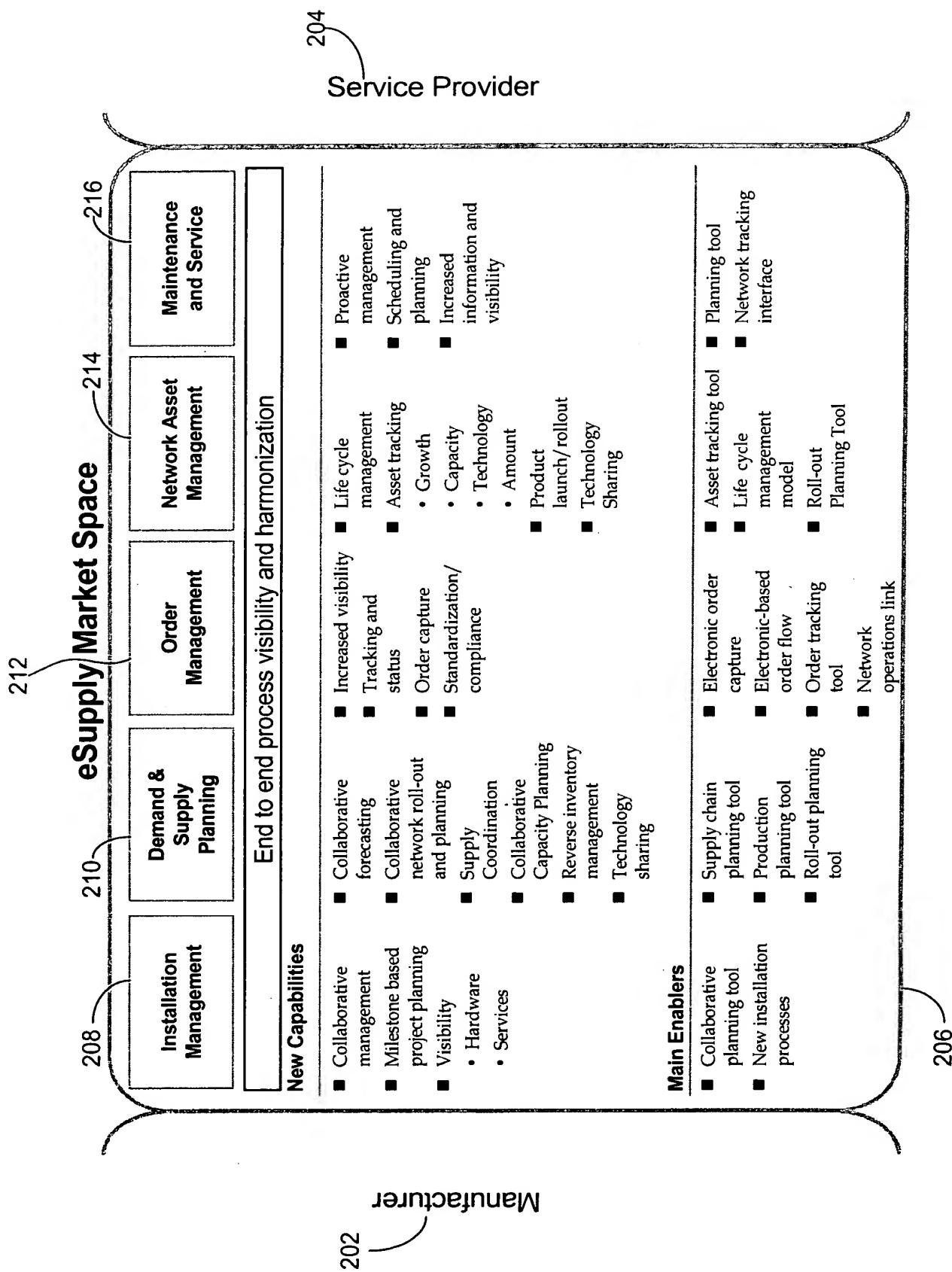


Figure 6

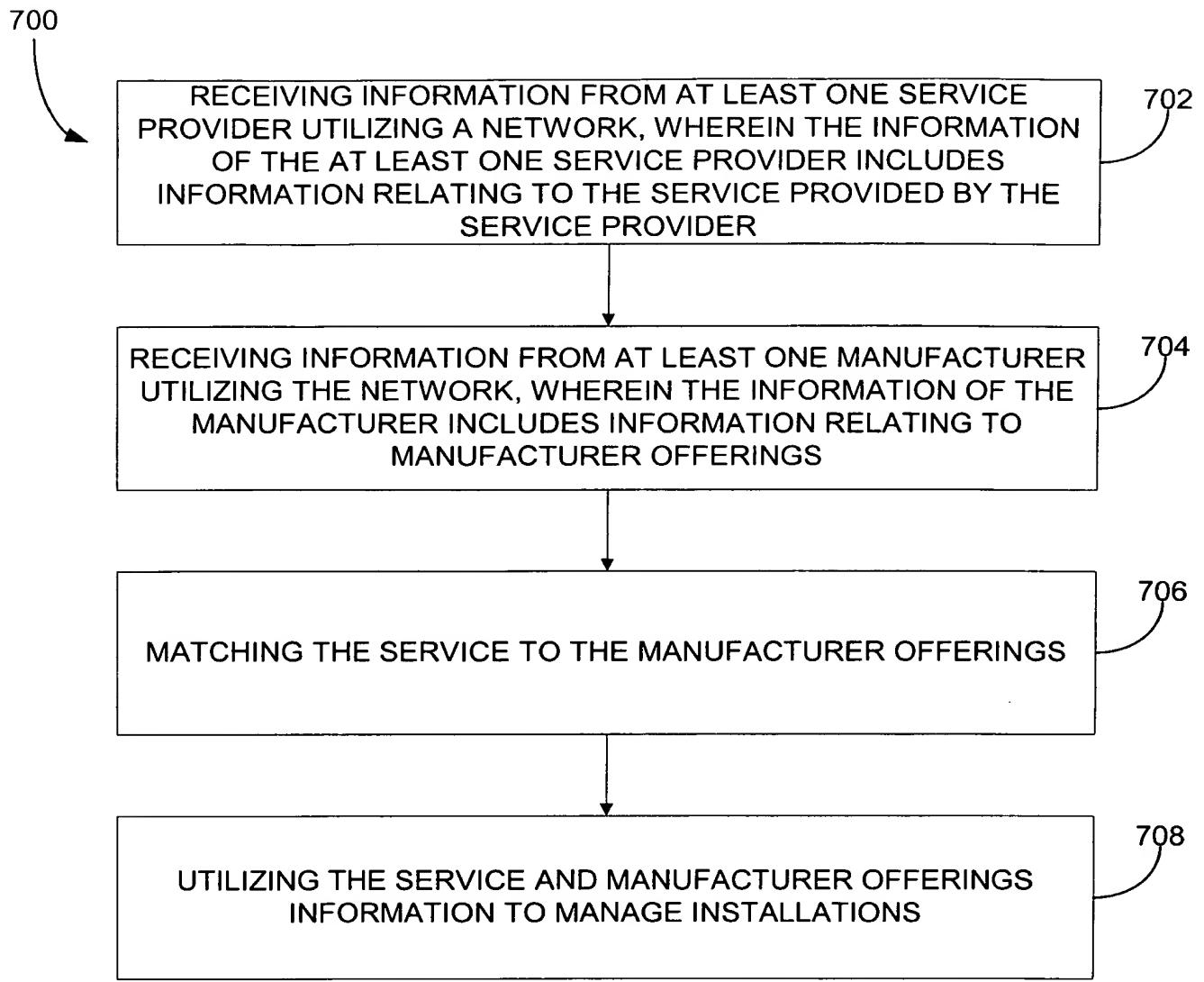


Figure 7

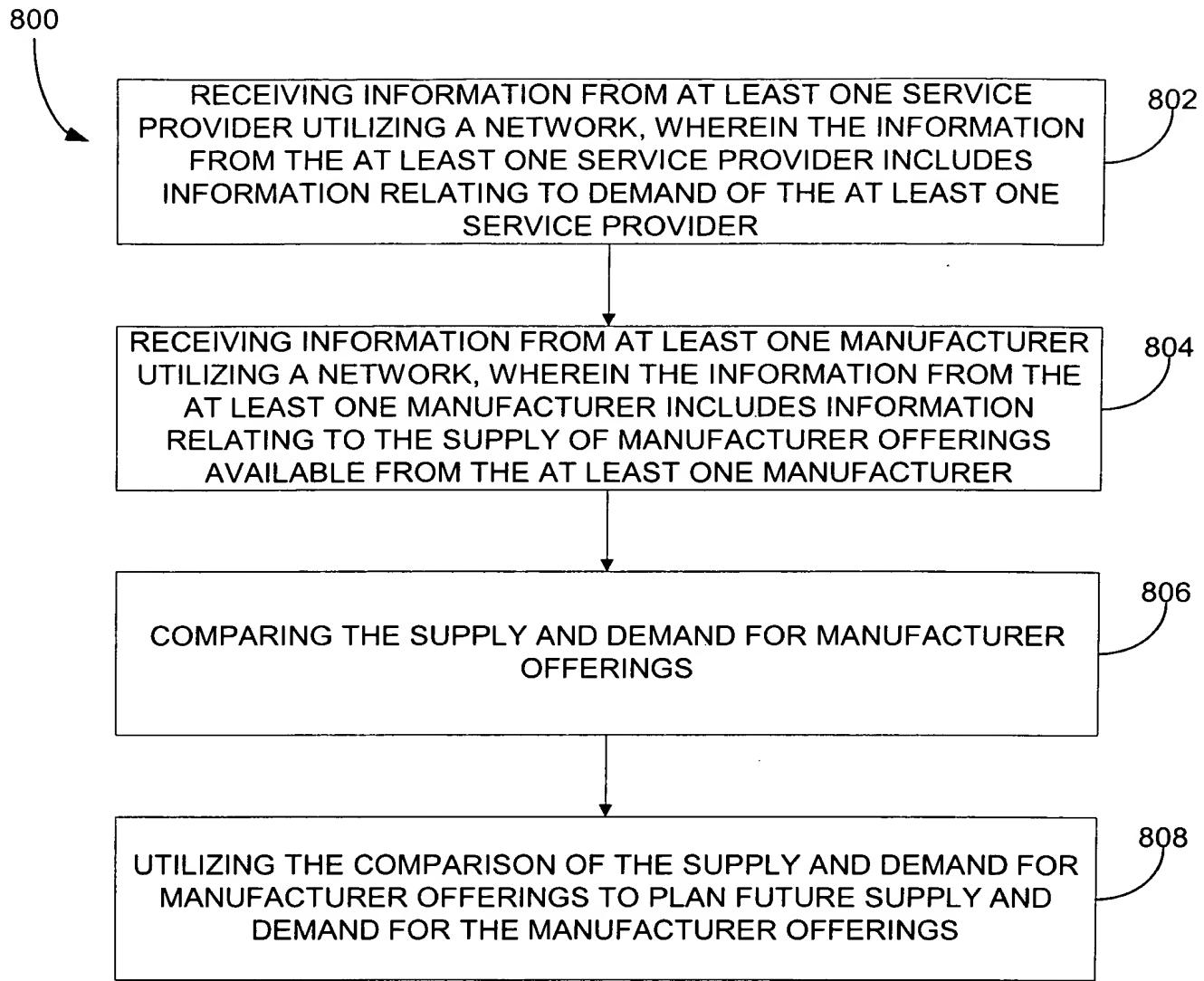


Figure 8

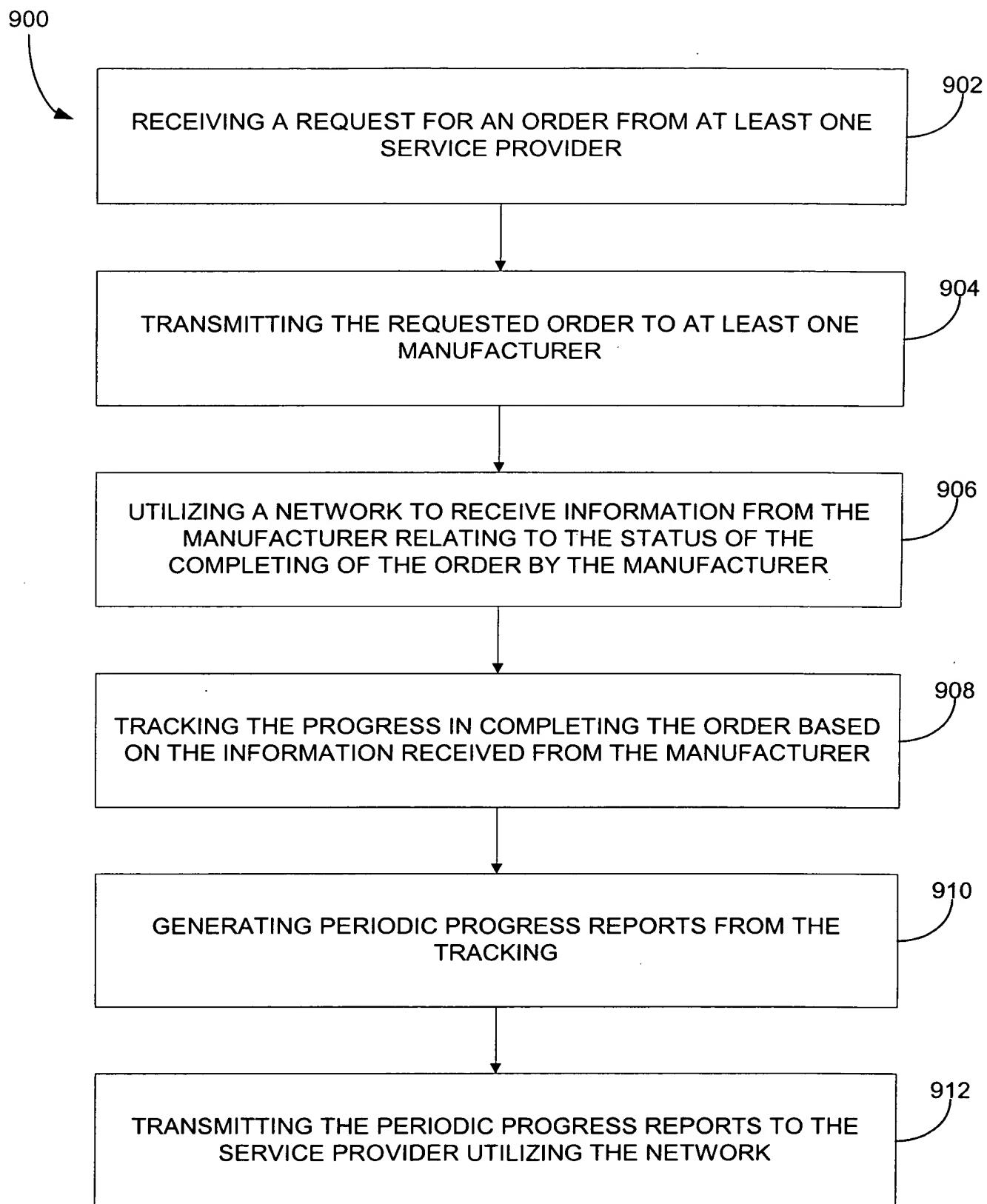


Figure 9

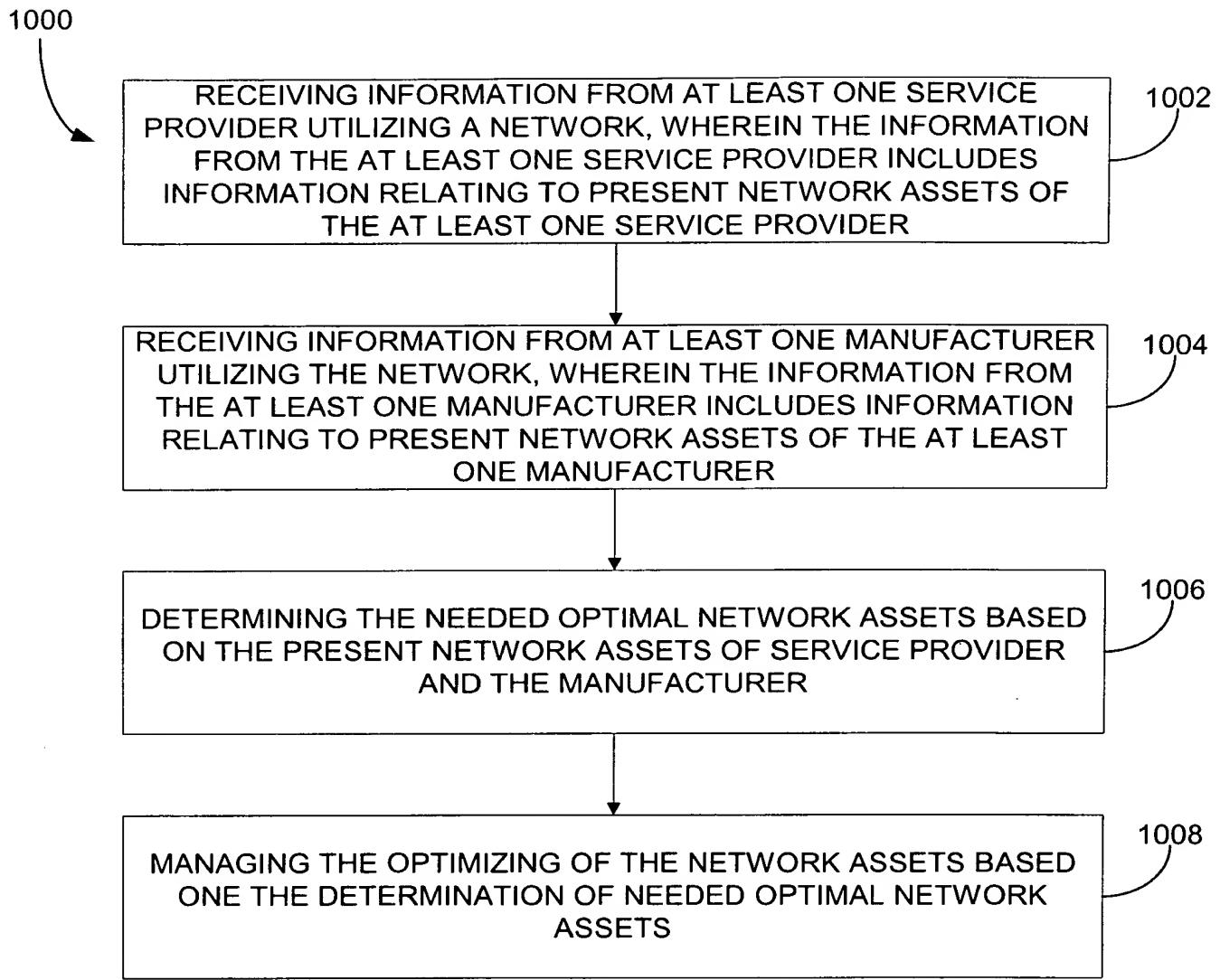


Figure 10

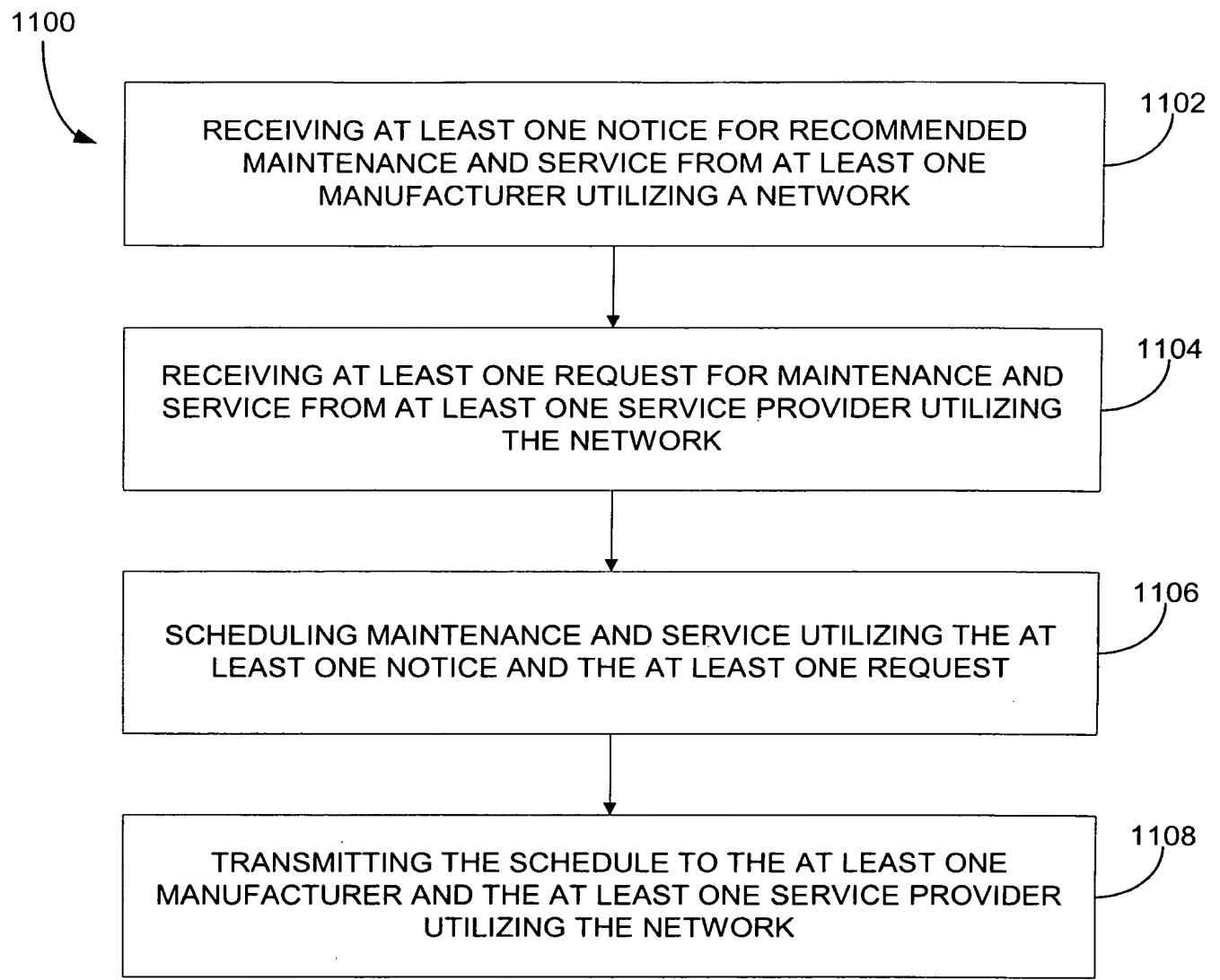
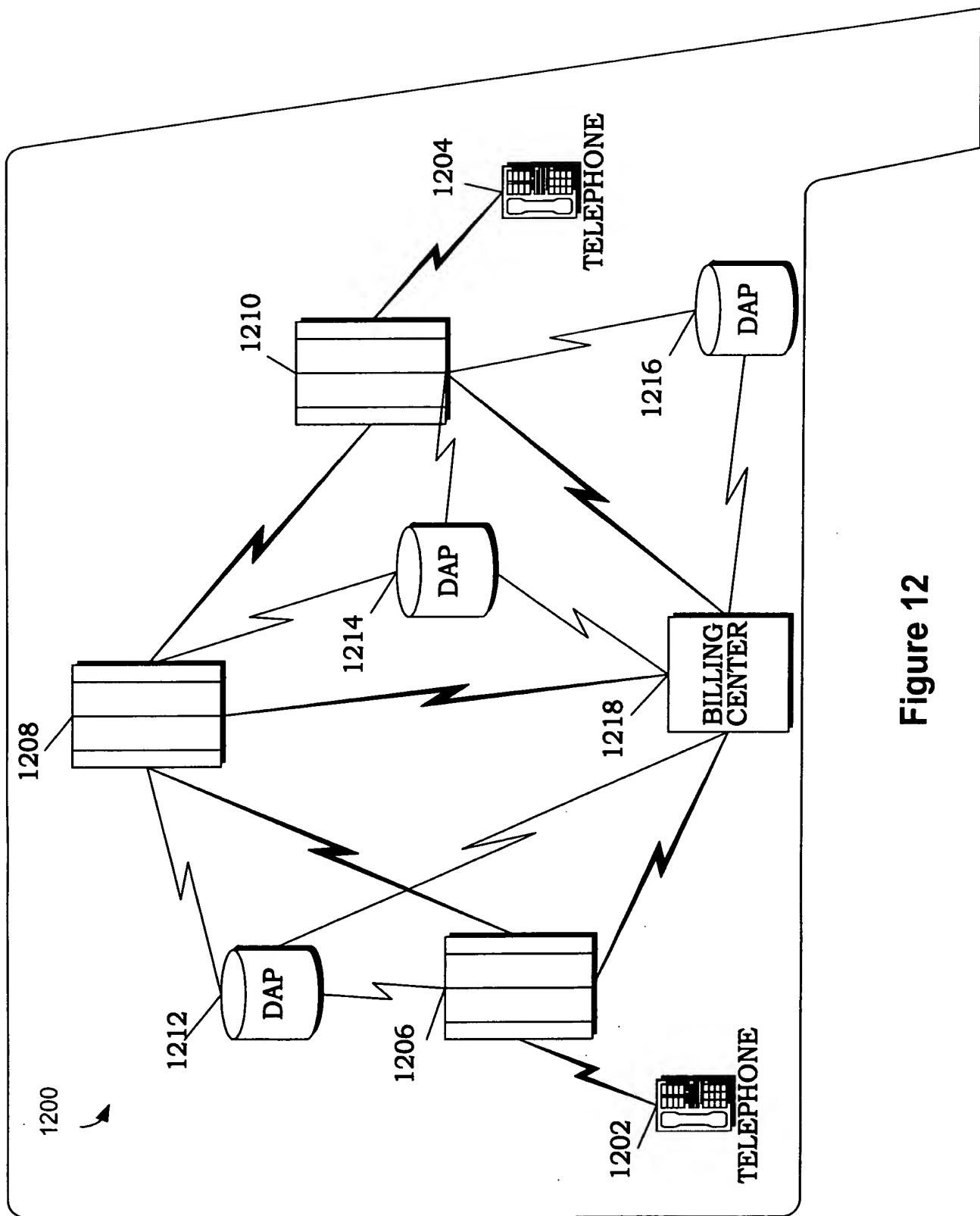


Figure 11

Figure 12



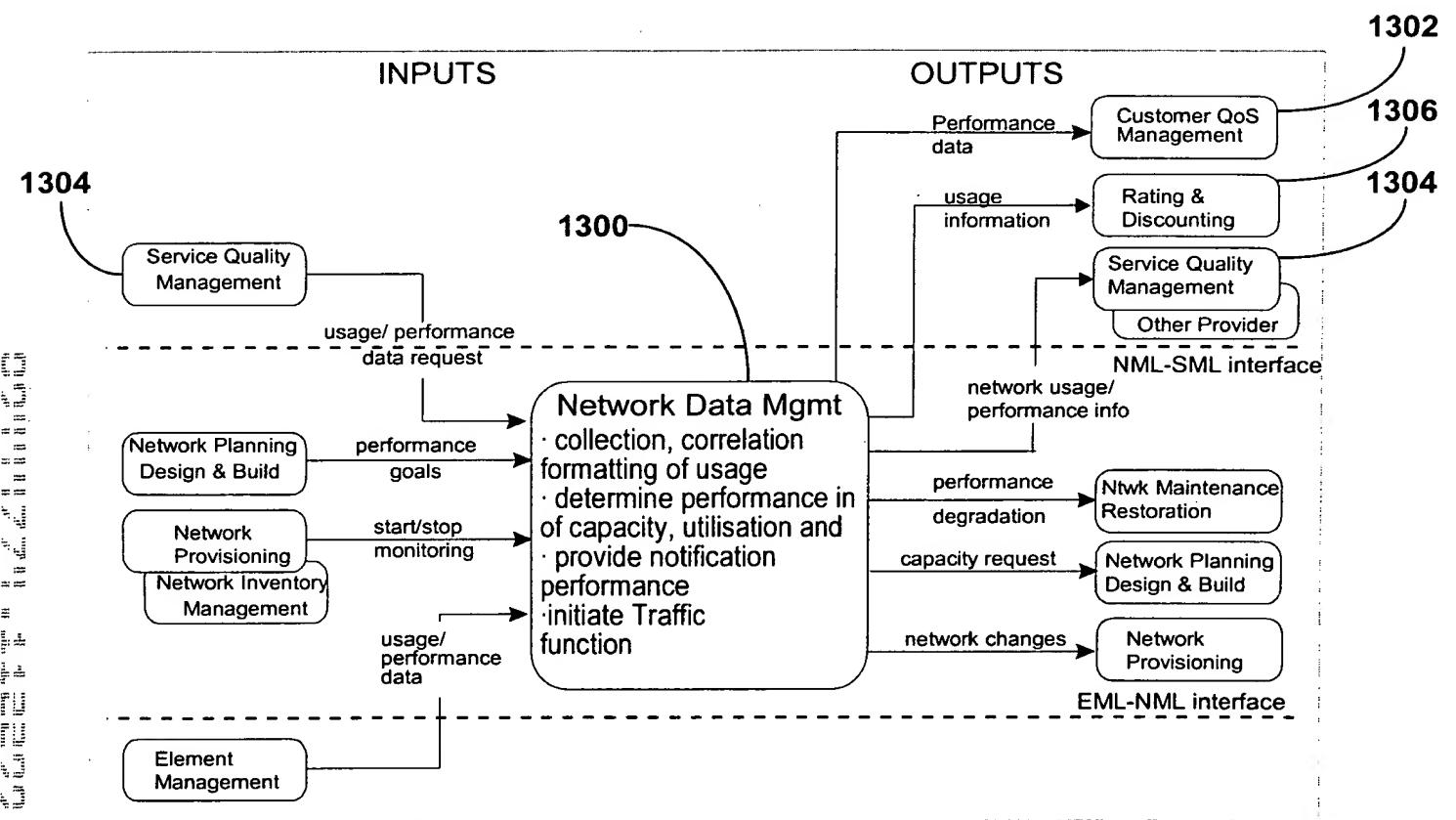


Figure 13

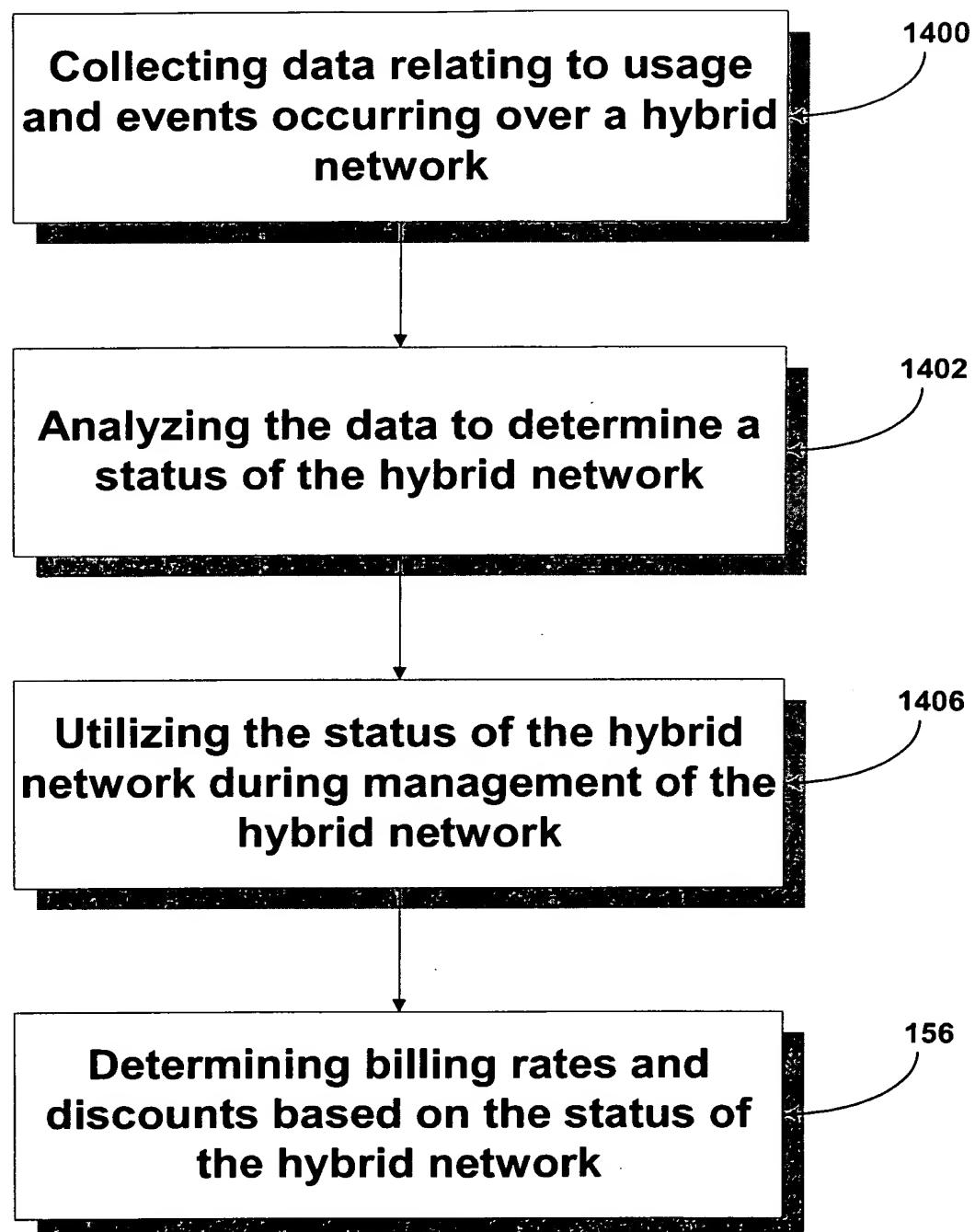


Figure 14

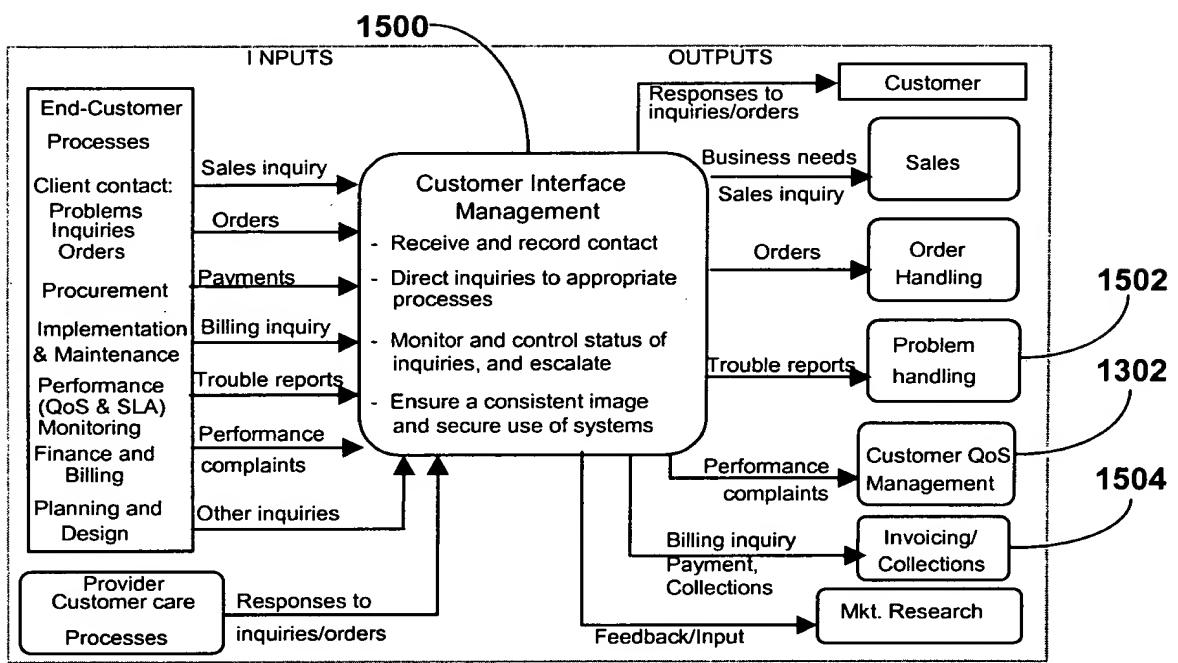


Figure 15

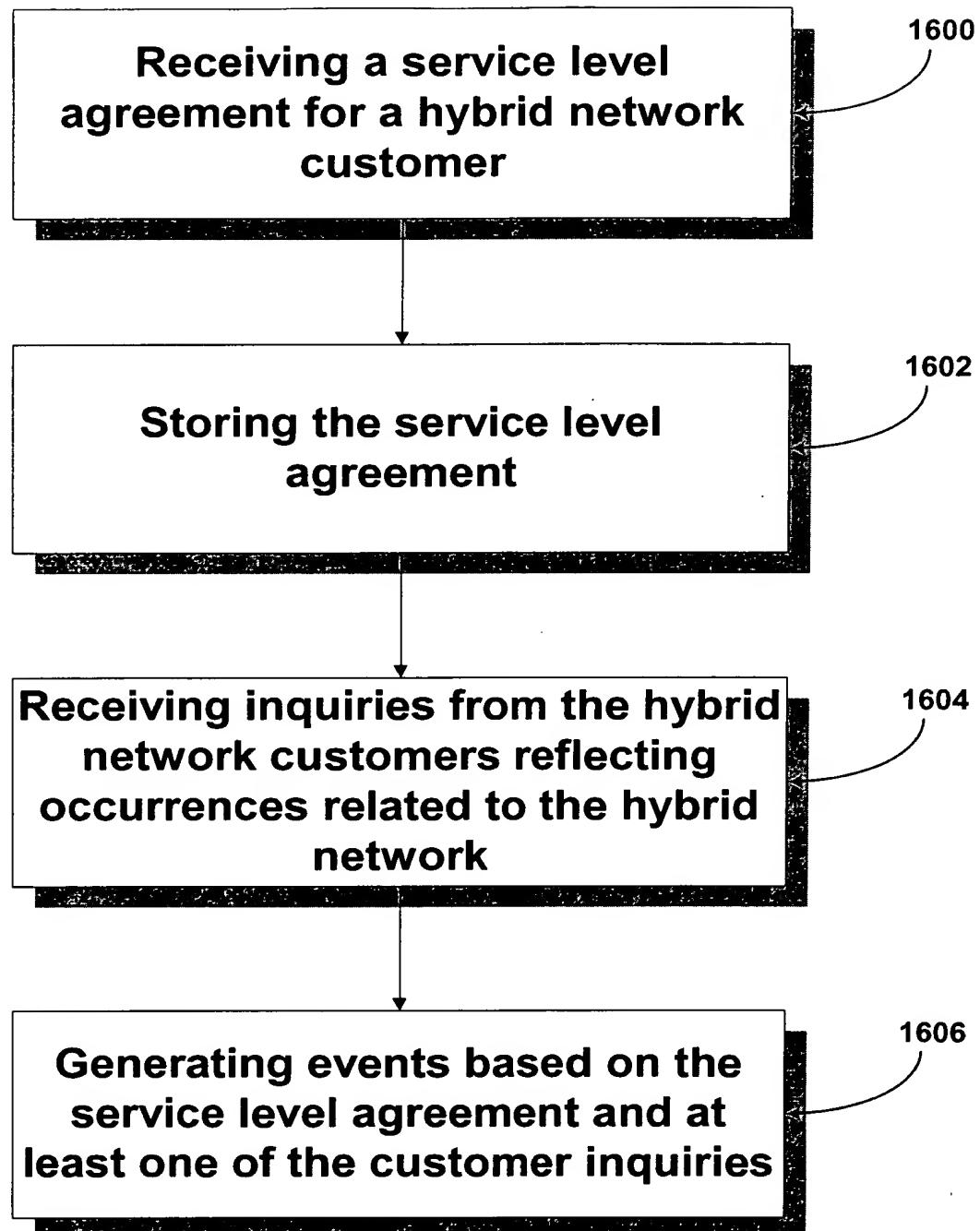


Figure 16

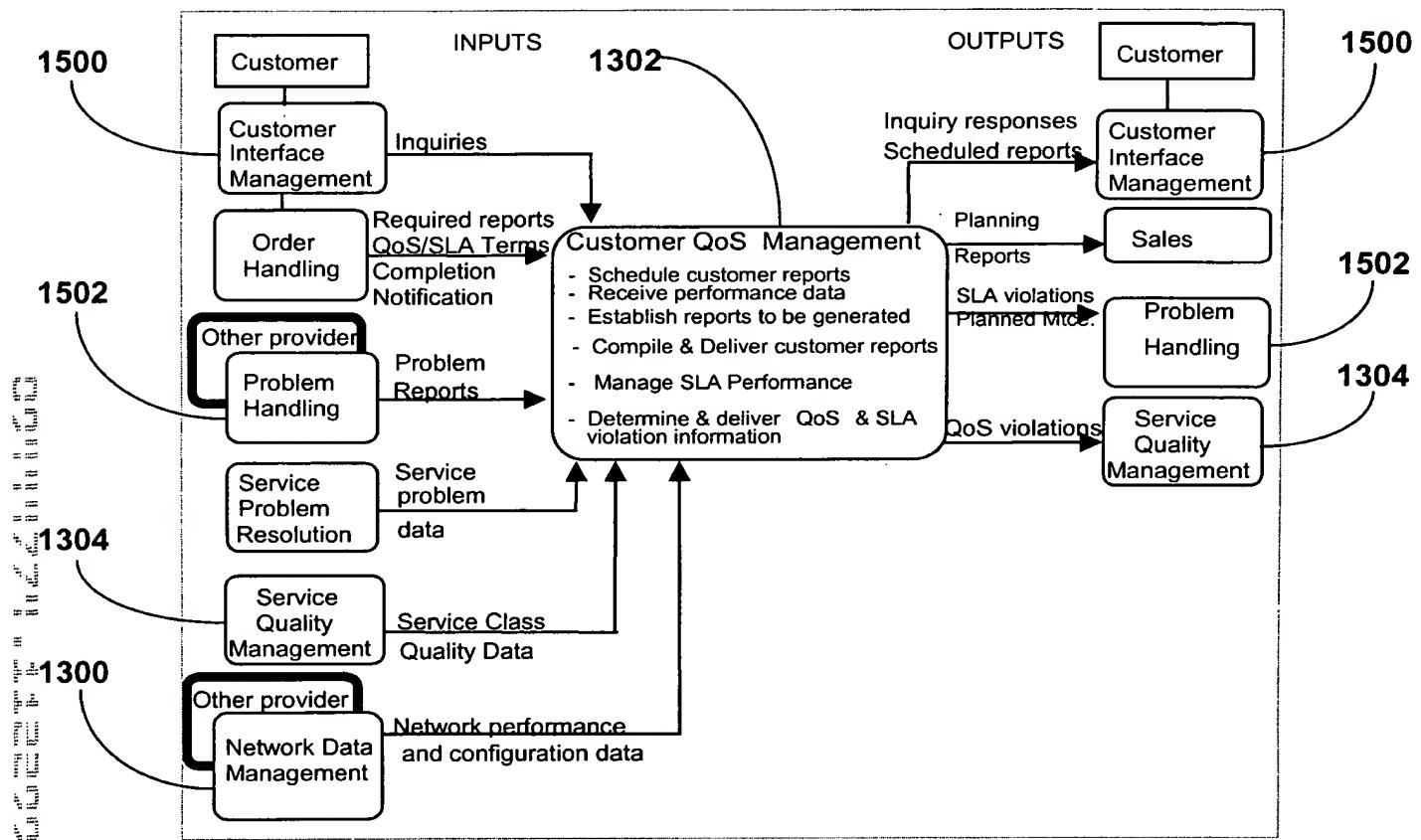


Figure 17

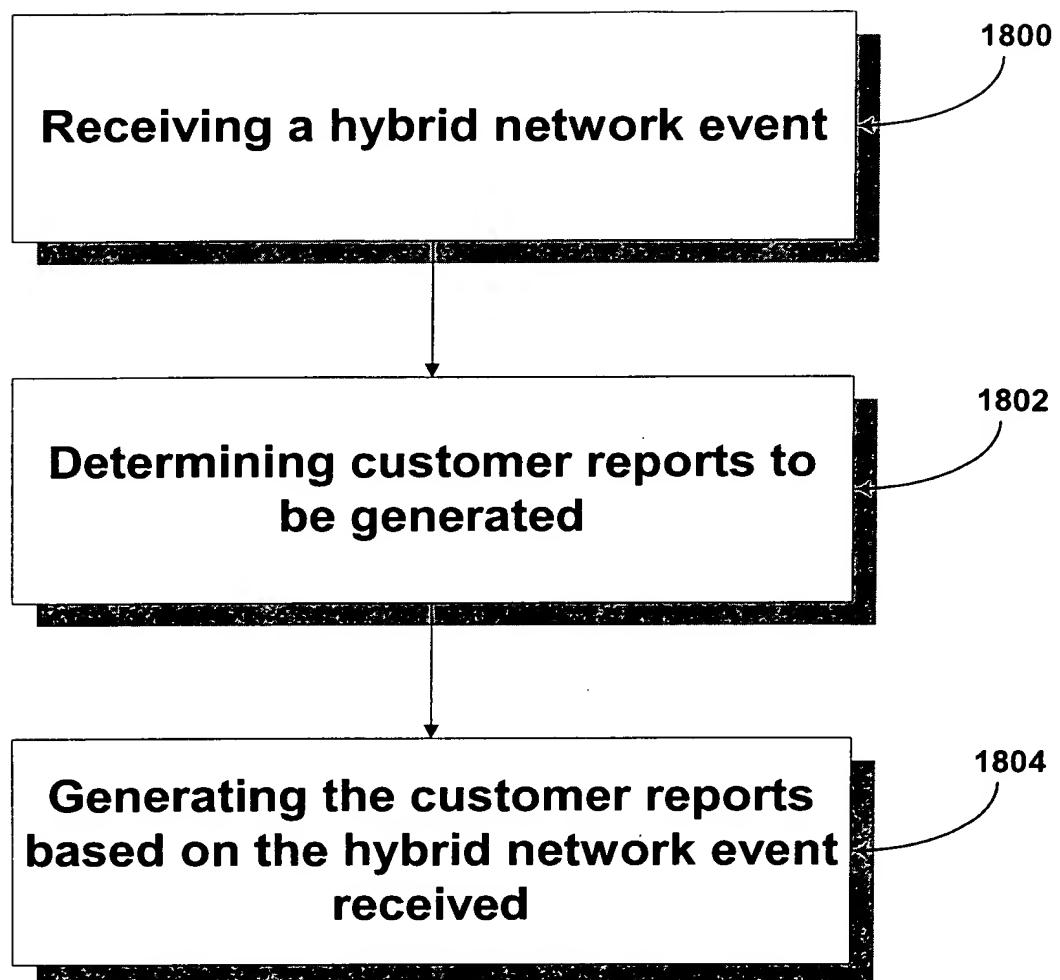


Figure 18

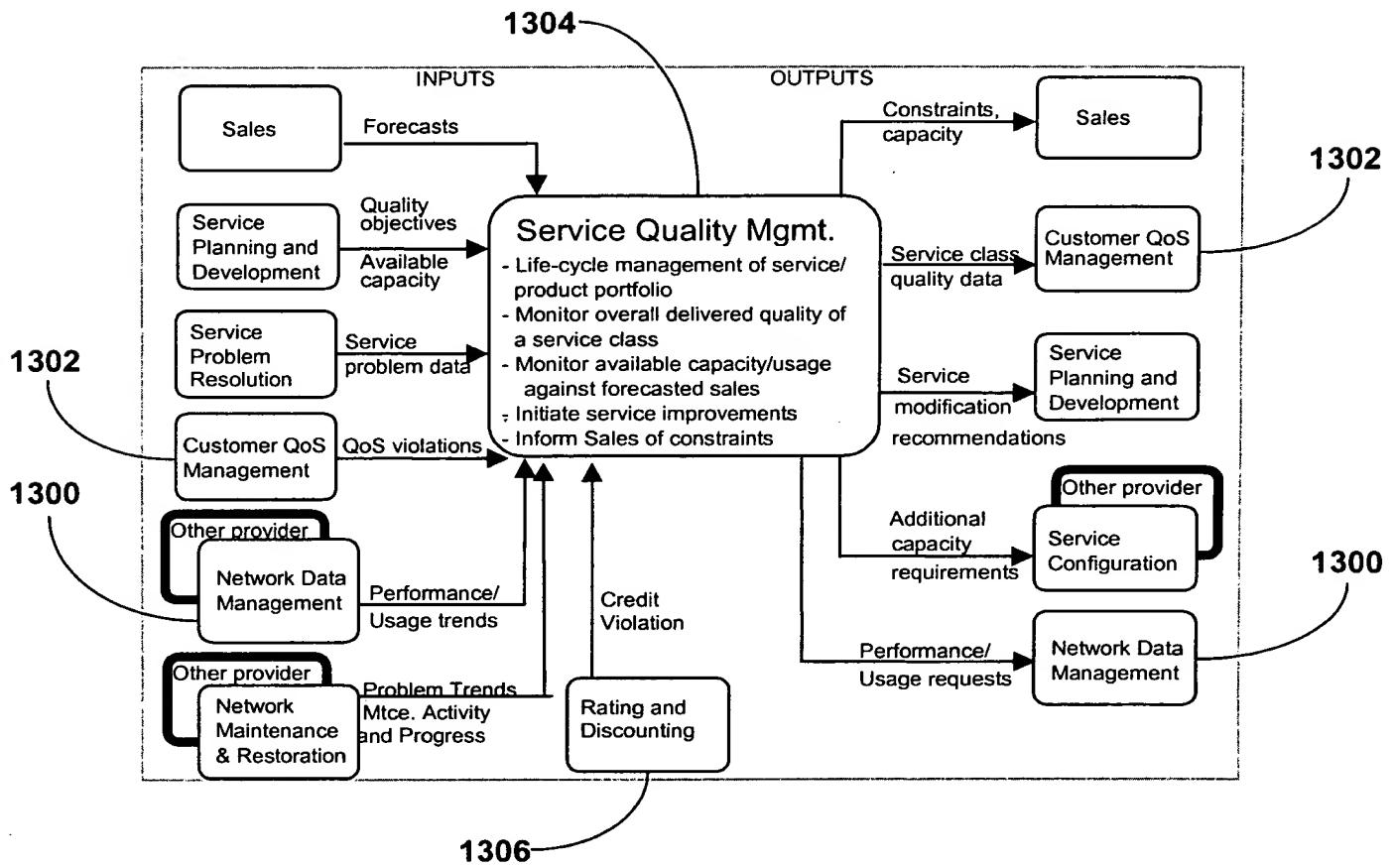


Figure 19

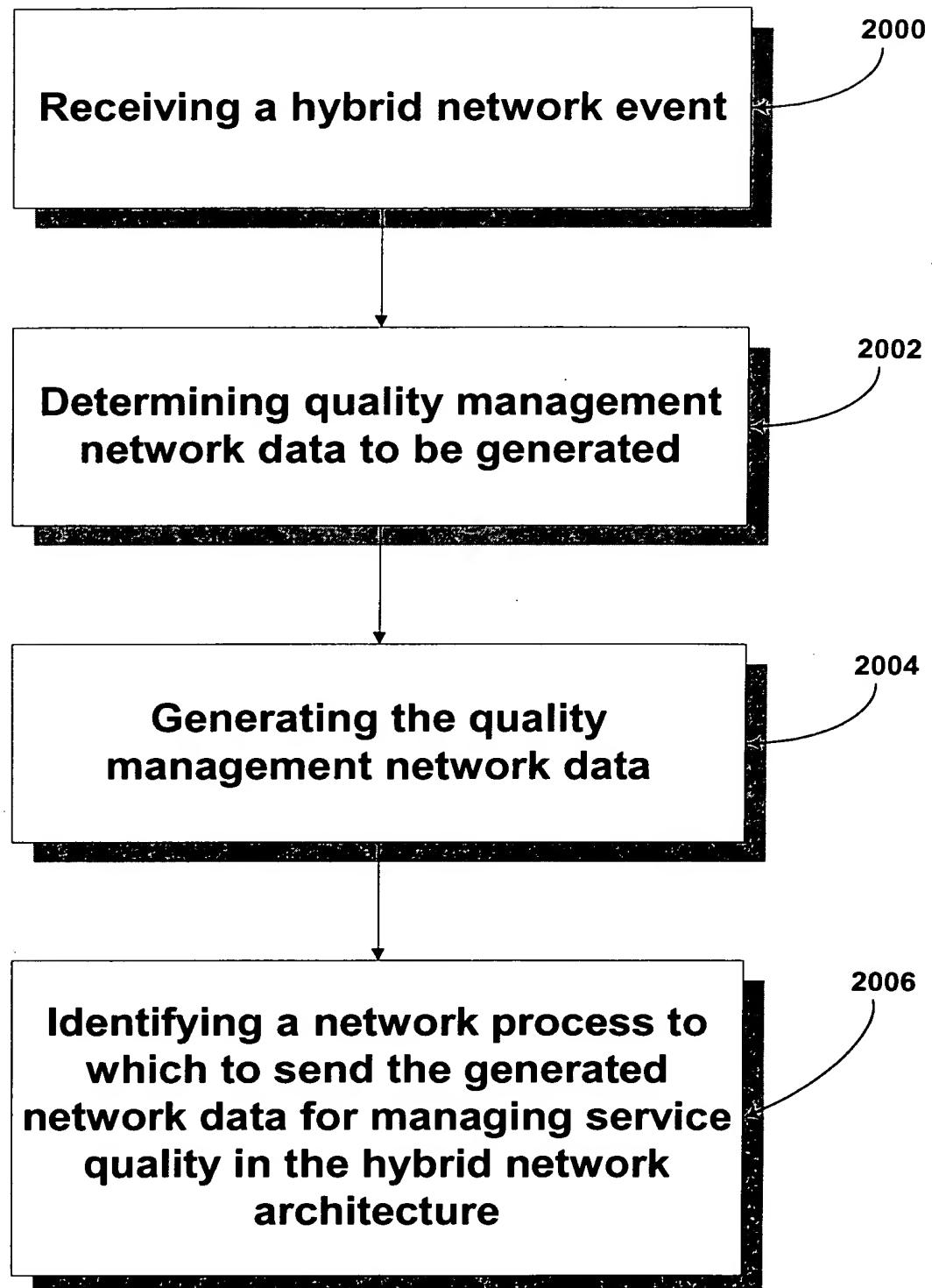


Figure 20

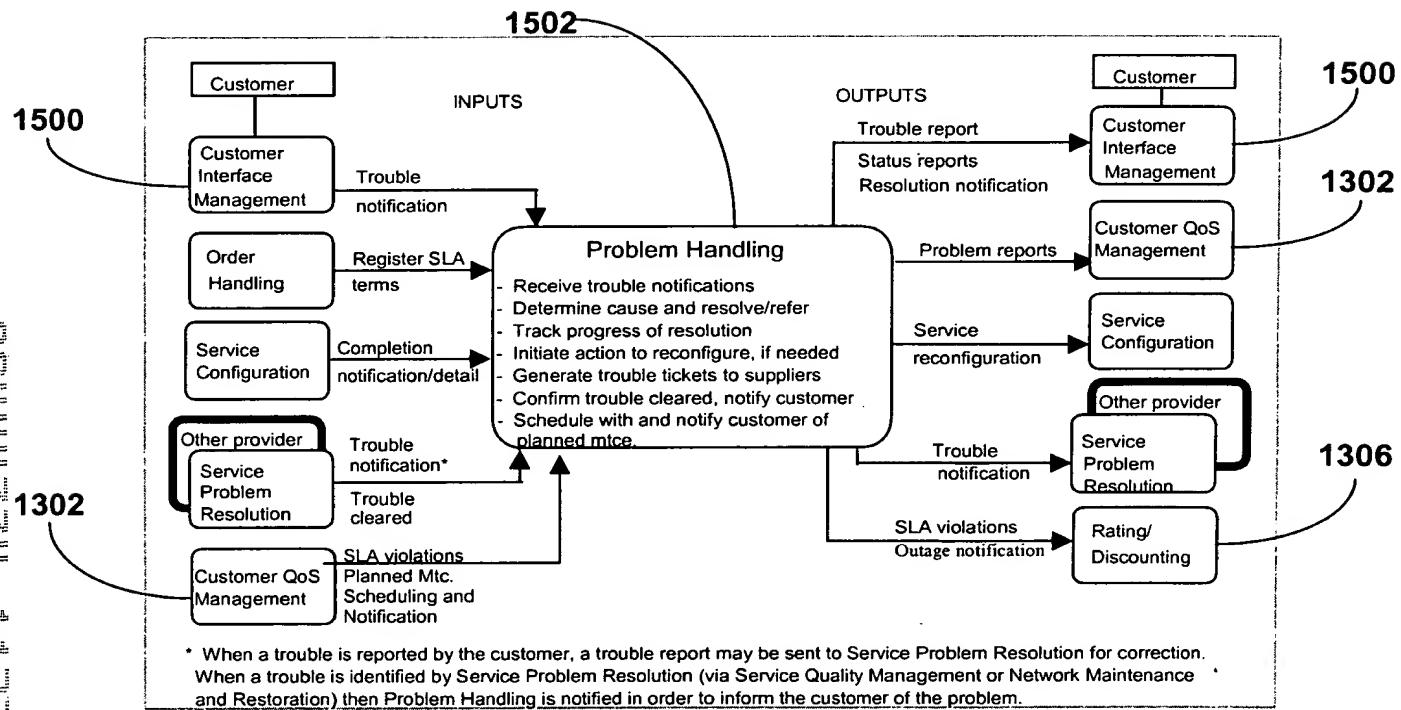


Figure 21

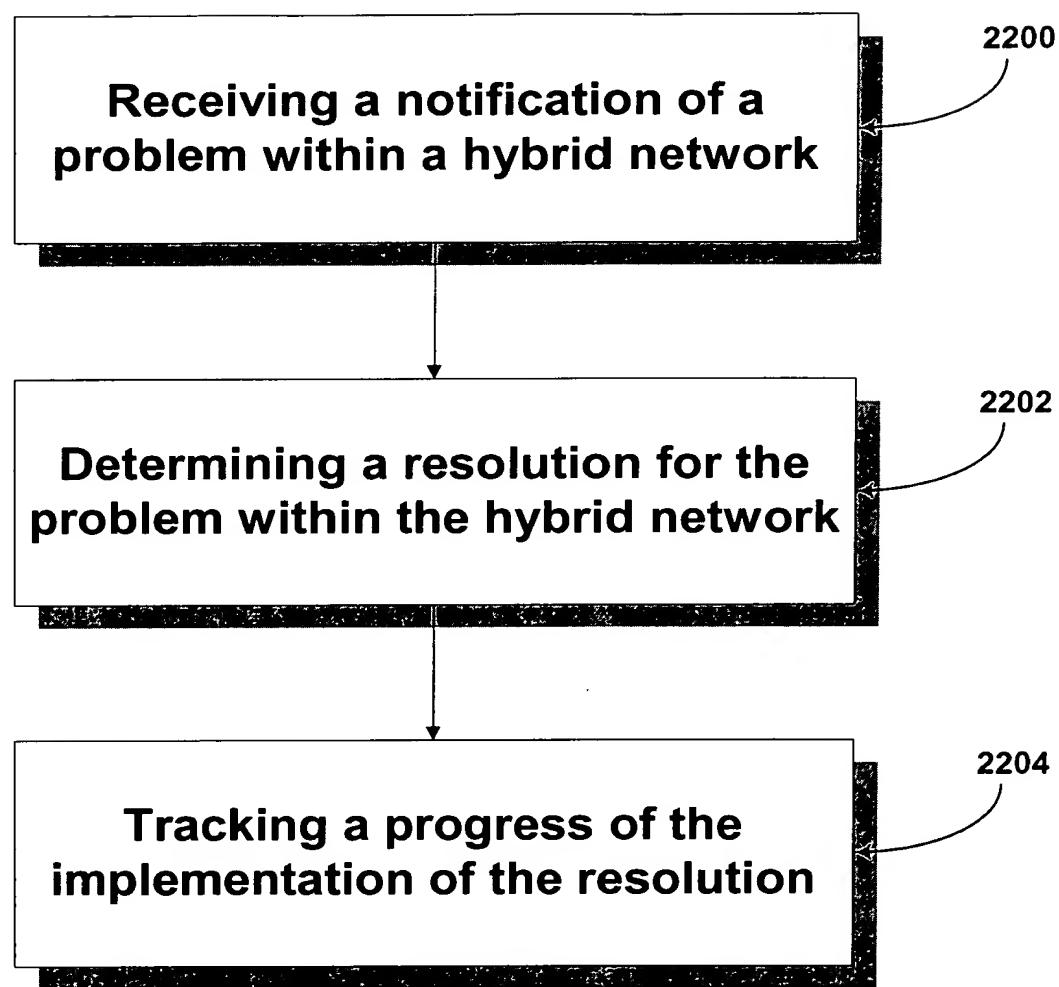


Figure 22

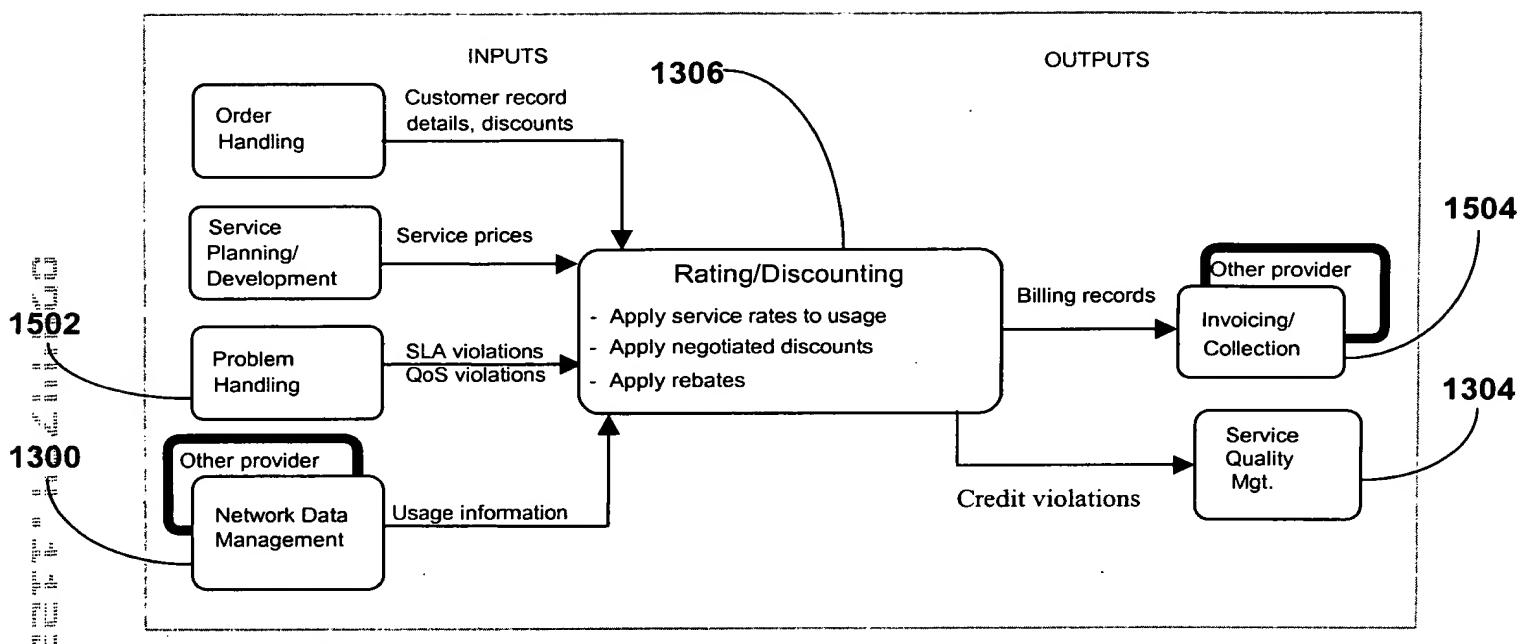


Figure 23

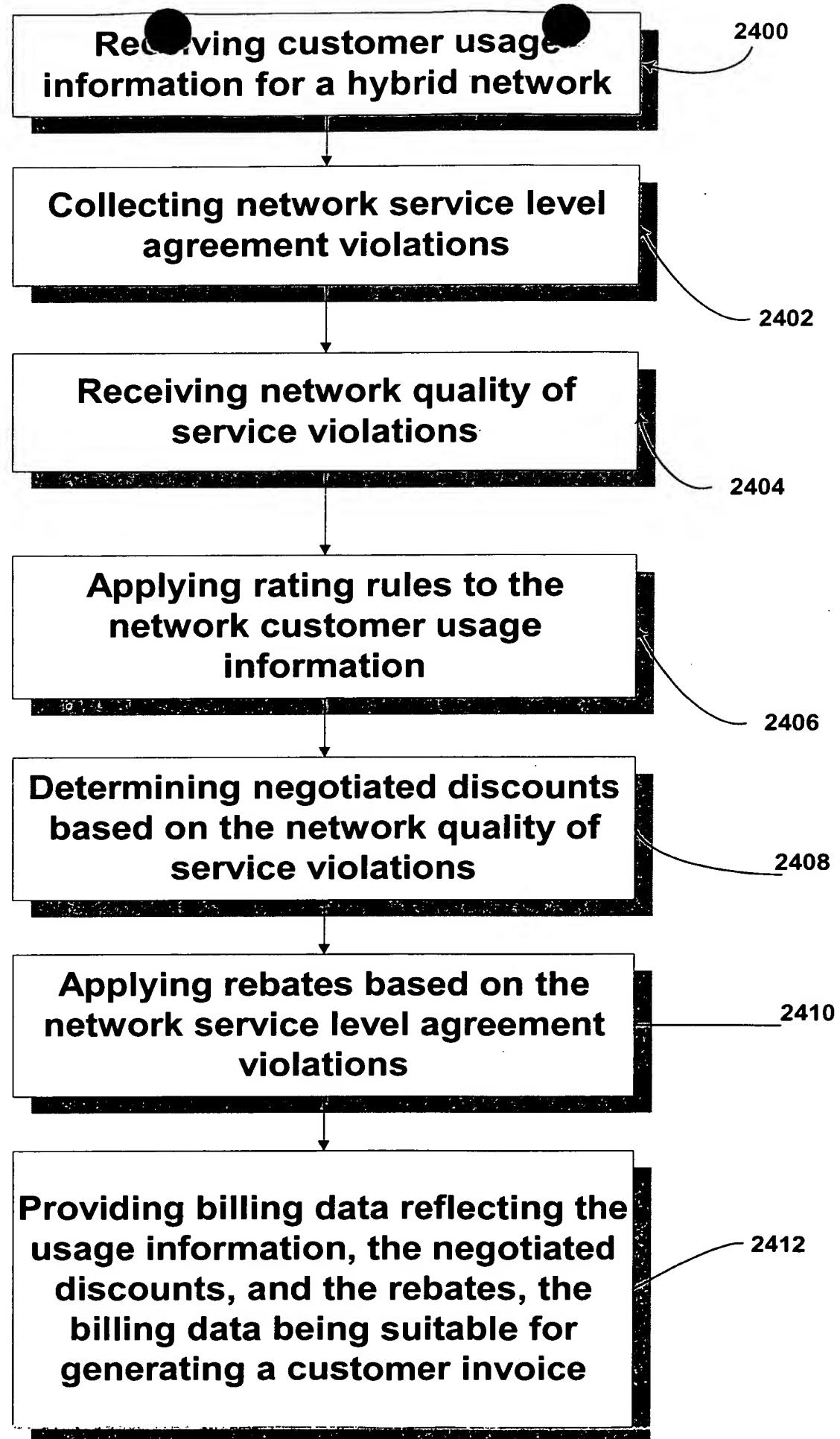


Figure 24

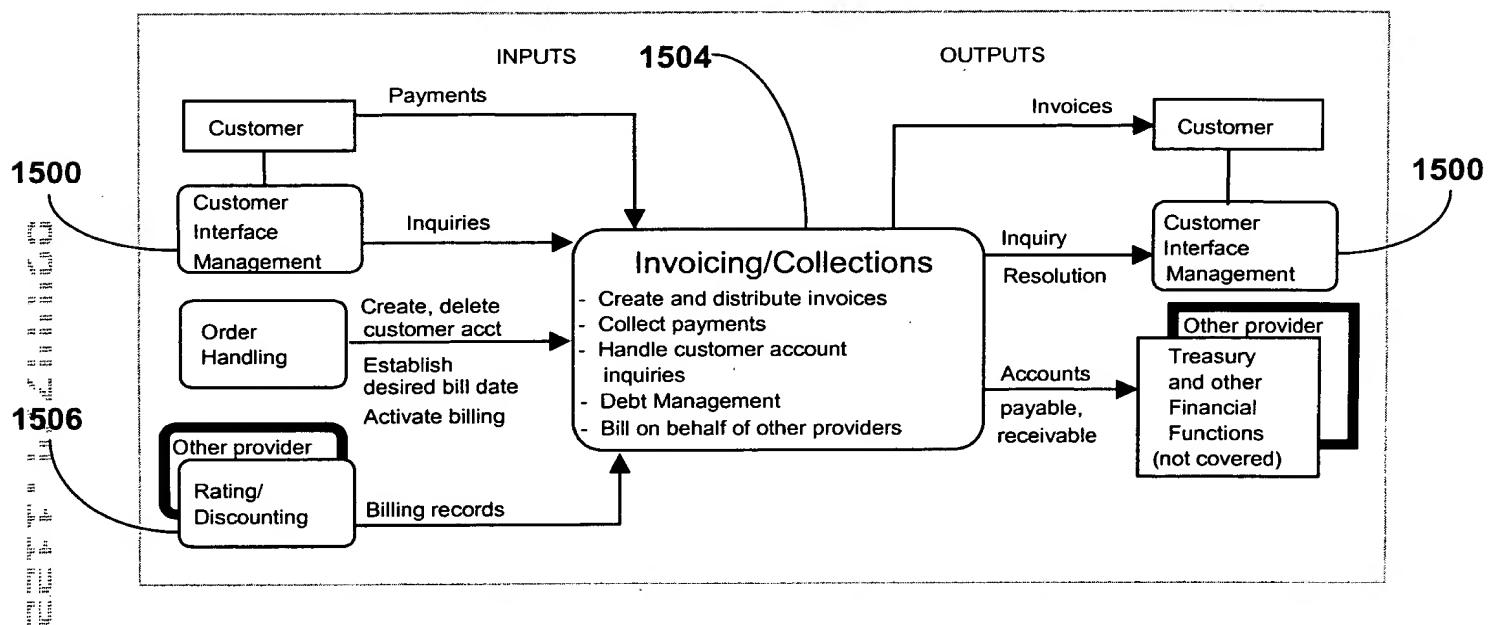


Figure 25

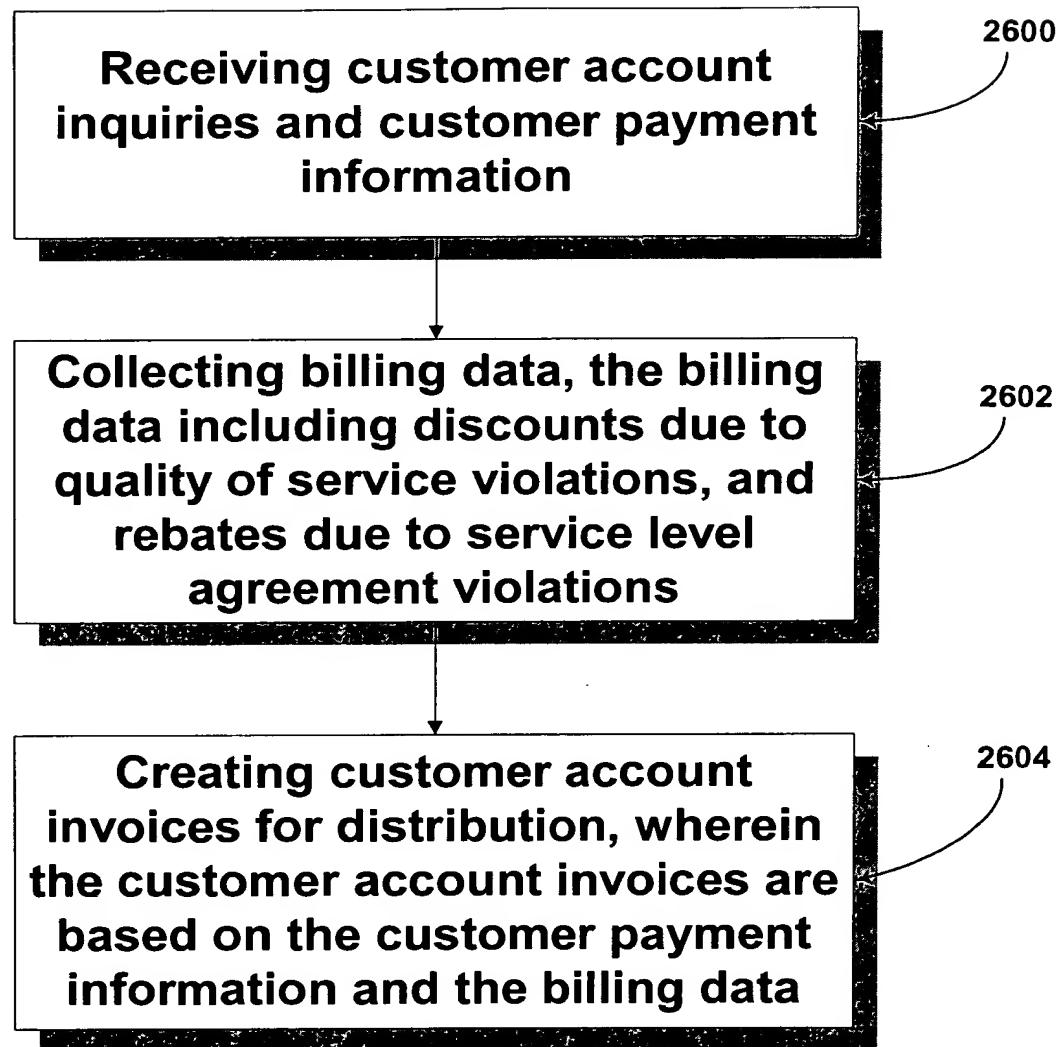


Figure 26

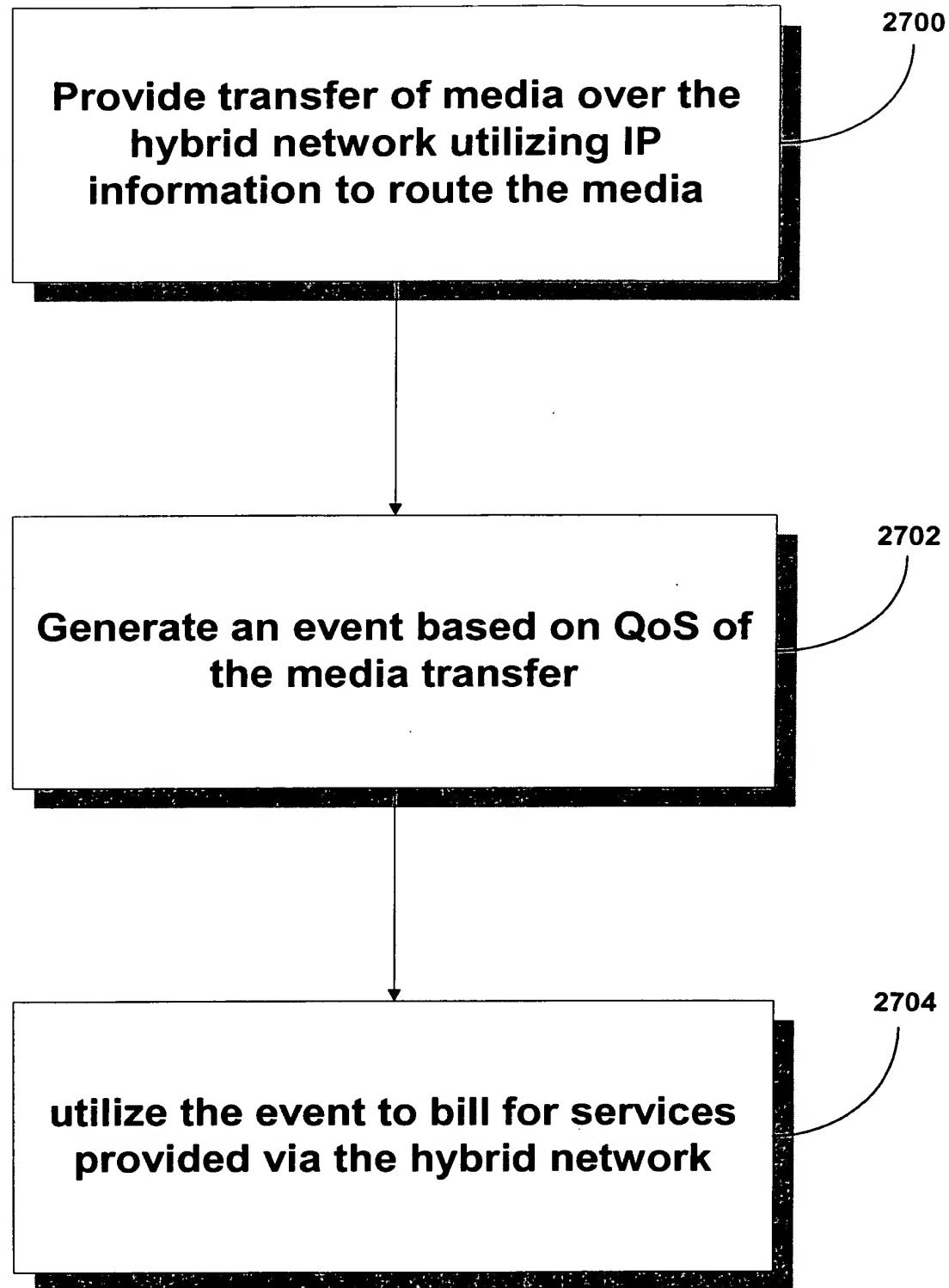


Figure 27

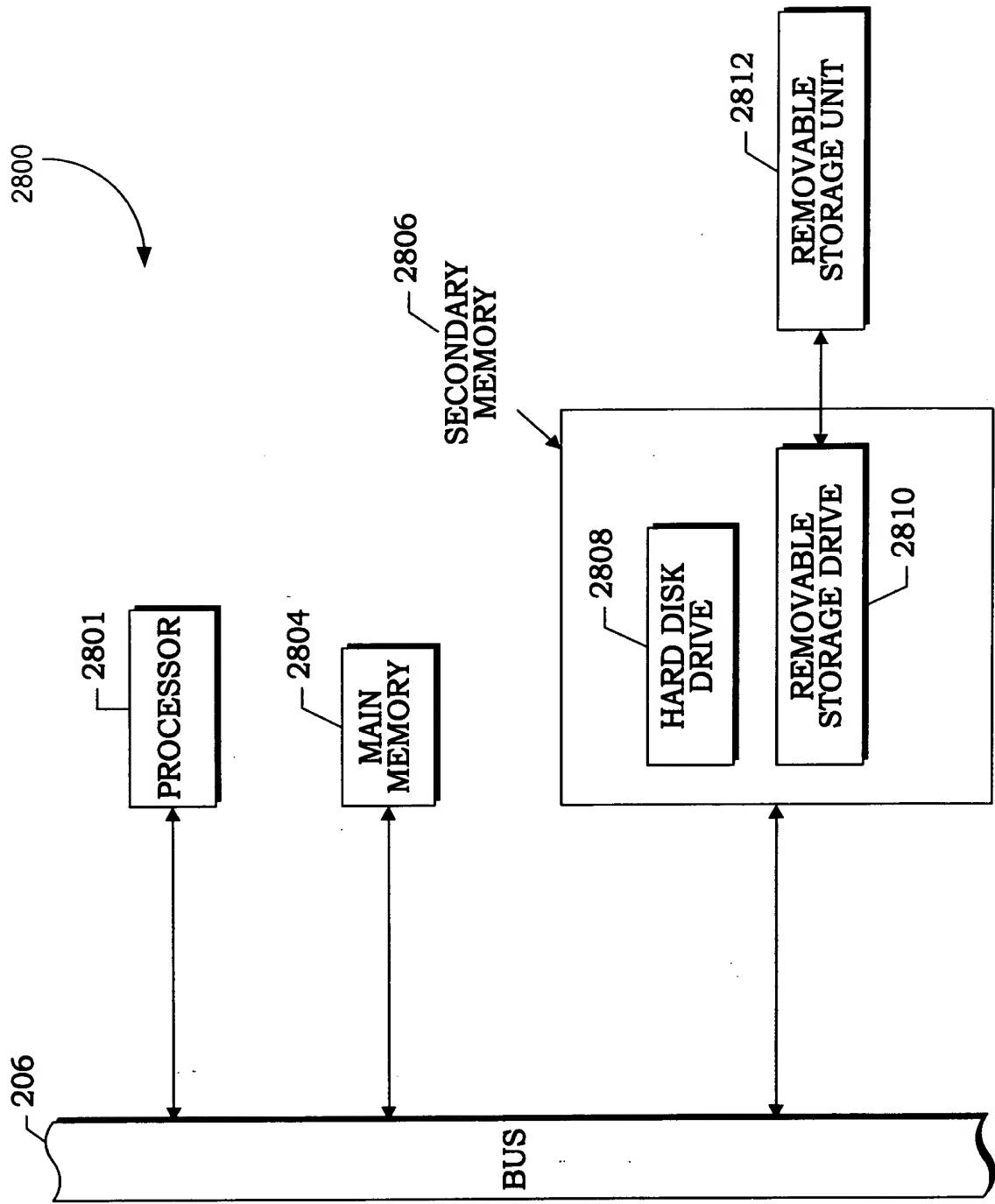


Figure 28

	MSB								LSB																		
	BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15																										
WORD 00	CR ID				CD ID																						
01	TP1 BITS 0-15																										
02	TP1 BITS 16-31																										
03	TP3 BITS 0-12											TP6 0-2															
04	TP6 BITS 3-12								TP7 BITS 0-5																		
05	TP7 BITS 6-21																										
06	OPL. ORIGINATING PORT 0-15																										
07	OP	TPL. TERMINATING PORT 0-14																									
08	TP	OTG. ORIGINATING TRUNK GROUP											TT														
09	TERMINATING TRUNK GROUP (1-12)																										
10	TP6Q	ACTION CODE				OTC				TTC																	
11	ID1		ID2		ANI INDEX																						
12	CLI 1		CLI 2		CLI 3		CLI 4																				
13	CLI 5		CLI 6		CLI 7		CLI 8																				
14	CLI 9		CLI 10		A1		A2																				
15	A3		A4		A5		A6																				
16	A7		A8		A9		A10																				
17	A11		A12		A13		A14																				
18	A15		A16		A17		A18																				
19	A19		A20		A21		A22																				
20	D1		D2		D3		D4																				
21	D5		D6		D7		D8																				
22	D9		D10		D11		D12																				
23	D13		D14		D15		D16																				
24	D17		PTD1		PTD2		PTD3																				
25	PTD4		PTD5		PTD6		PTD7																				
26	PTD8		PTD9		PTD10																						
27	FC		TMC		KAT		TP7Q																				
28	EC, ENTRY CODE				PD		ND ID		DIVID																		
29	D0	CC	IN	SC	CD	DE	DT		SA		NOCLI																
30	CN1		CN2		CN3		CN4																				
31	ACIF		SS7 RELEASE CODE		NCIDSEQ		NLRS																				

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 29

	MSB								LSB																								
	BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15																																
WORD 00	CR ID				CD ID																												
01	TP1 BITS 0-15																																
02	TP1 BITS 16-31																																
03	TP3 BITS 0-12												TP6 0-2																				
04	TP6 BITS 3-12								TP7 BITS 0-5																								
05	TP7 BITS 6-21																																
06	OPL. ORIGINATING PORT 0-15																																
07	OP	TPL. TERMINATING PORT 0-14																															
08	TP	OTG. ORIGINATING TRUNK GROUP												TT																			
09	TERMINATING TRUNK GROUP (1-12)												TP3Q																				
10	TP6Q	ACTION CODE				OTC				TTC																							
11	ID1		ID2		ANI INDEX																												
12	CLI 1		CLI 2		CLI 3		CLI 4																										
13	CLI 5		CLI 6		CLI 7		CLI 8																										
14	CLI 9		CLI 10		CLI11		CLI12																										
15	CLI13		CLI14		CLI15		A1																										
16	A2		A3		A4		A5																										
17	A6		A7		A8		A9																										
18	A10		A11		A12		A13																										
19	A14		A15		A16		A17																										
20	A18		A19		A20		A21																										
21	A22		A23		A24		A25																										
22	A26		A27		A28		A29																										
23	A30		A31		A32		A33																										
24	A34		A35		A36		A37																										
25	A38		A39		A40		A41																										
26	A42		A43		A44		A45																										
27	FC		TMC		KAT		TP7Q																										
28	EC, ENTRY CODE				PD		ND ID		DIVID																								
29	DO	MNCC	IN		SC	CD	DE	DT	SA		NOCLI																						
30	CN1		CN2		CN3		CN4																										
31	ACIF		SS7 RELEASE CODE				NCIDSEQ		NL	RS																							

BIT 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15

Figure 30

	MSB								LSB																				
WORD	32	BITS	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15											
	33																												
	34	ID1		ID2			ID3				ID4																		
	35	ID5		ID6			ID7				ID8																		
	36	ID9		ID10			ID11				ID12																		
	37	ID13		ID14			ID15				ID16																		
	38	ID17		ID18			ID19				ID20																		
	39	ID21		ID22			ID23				ID24																		
	40	ID25		PTD1			PTD2				PTD3																		
	41	PTD4		PTD5			PTD6				PTD7																		
	42	PTD8		PTD9			PTD10				PTD11																		
	43	PTD12		PTD13			PTD14				PTD15																		
	44	EIR CALL TYPE				OVFAL				CB																			
	45	OVFCL		DTA 1		DTA 2		DTA 3																					
	46	DTA 4		DTA 5		DTA 6		DTA 7																					
	47	DTA 8		DTA 9		DTA 10		DTA 11																					
	48	DTA 12		DTA 13		DTA 14		DTA 15																					
	49	OVFC		DTAC				NCID																					
	50	NETWORK CALL IDENTIFIER (NCID)																											
	51	NETWORK CALL IDENTIFIER (NCID)																											
	52	NETWORK CALL IDENTIFIER (NCID)																											
	53	NETWORK CALL IDENTIFIER (NCID)																											
	54	NETWORK CALL IDENTIFIER (NCID)																											
	55																												
	56																												
	57																												
	58																												
	59											OUS TYPE		OUIE															
	60	OUIE COUNT CONT.												OVFCS															
	61	ORIGINATING NX64 BITMAP (1-16)																											
	62	ORIG NX64 BITMAP(17-24)								TERM NX64 BITMAP(17-24)																			
	63	TERMINATING NX64 BITMAP(9-24)																											
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15													

Figure 31

	MSB															LSB														
BITS	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15														
WORD 00	CR ID							CD ID																						
01	TP1 BITS 0-15																													
02	TP1 BITS 16-31																													
03	TP4 BITS 0-12															TP6 0-2														
04	TP6 BITS 3-12												TP7 BITS 0-5																	
05	TP7 BITS 6-21																													
06	OPL. ORIGINATING PORT 0-15																													
07	OP	TPL. TERMINATING PORT 0-14																												
08	TP	OTG. ORIGINATING TRUNK GROUP														TT														
09	TERMINATING TRUNK GROUP (1-12)															TP3Q														
10	TP6Q	ACTION CODE							OTC				TTC																	
11	ID1			ID2			ONACC				TNACC																			
12	CLI 1			CLI 2			CLI 3				CLI 4																			
13	CLI 5			CLI 6			CLI 7				CLI 8																			
14	CLI 9			CLI 10			A1				A2																			
15	A3			A4			A5				A6																			
16	A7			A8			A9				A10																			
17	A11			A12			A13				A14																			
18	A15			A16			A17				A18																			
19	A19			A20			A21				A22																			
20	D1			D2			D3				D4																			
21	D5			D6			D7				D8																			
22	D9			D10			D11				D12																			
23	D13			D14			D15				D16																			
24	D17			OPIN																										
25	OPIN		TPS BITS 0-12																											
26	RN1			RN2			RN3				RN4																			
27	FC			TMC			KAT				TP7Q																			
28	EC, ENTRY CODE							PD		ND ID			DIVID																	
29	D0	CC	IN	SC	CD	DE	DT	PP	XCSA				NOCLI																	
30	CN1			CN2			CN3				CN4																			
31	ACIF			SS7 RELEASE CODE							NCIDSEQ		NL	RS																

Figure 32

	MSB	LSB																			
	BITS 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15																				
WORD 00	CR ID								CD ID												
01	TP1 BITS 0-15																				
02	TP1 BITS 16-31																				
03	TP4 BITS 0-12												TP6 0-2								
04	TP6 BITS 3-12												TP7 BITS 0-5								
05	TP7 BITS 6-21																				
06	OPL. ORIGINATING PORT 0-15																				
07	OP	TPL. TERMINATING PORT 0-14																			
08	TP	OTG. ORIGINATING TRUNK GROUP												TT							
09	TERMINATING TRUNK GROUP (1-12)												TP3Q								
10	TP6Q	ACTION CODE								OTC				TTC							
11	ID1		ID2		ONACC				TNACC												
12	CLI 1		CLI 2		CLI 3				CLI 4												
13	CLI 5		CLI 6		CLI 7				CLI 8												
14	CLI 9		CLI 10		CLI 11				CLI 12												
15	CLI 13		CLI 14		CLI 15				A1												
16	A2		A3		A4				A5												
17	A6		A7		A8				A9												
18	A10		A11		A12				A13												
19	A14		A15		A16				A17												
20	A18		A19		A20				A21												
21	A22		A23		A24				A25												
22	A26		A27		A28				A29												
23	A30		A31		A32				A33												
24	A34		A35		A36				A37												
25	A38		A39		A40				A41												
26	A42		A43		A44				A45												
27	FC		TNC		KAT				TF7Q												
28	EC, ENTRY CODE								PD		ND ID			DIVID							
29	D0	MM	CC	IN	SC	CD	DE	DT	PP	XC	SA	NOCLI									
30	CN1		CN2		CN3				CN4												
31	ACIF		SS7 RELEASE CODE								NCIDSEQ		NL	RS							

Figure 33

	MSB				LSB											
BITS	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
32	T&C GUEST 1					T&C GUEST 2										
33	T&C GUEST 3					T&C GUEST 4										
34	ID1	ID2				ID3					ID4					
35	ID5	ID6				ID7					ID8					
36	ID9	ID10				ID11					ID12					
37	ID13	ID14				ID15					ID16					
38	ID17	ID18				ID19					ID20					
39	ID21	ID22				ID23					ID24					
40	ID25	PTD1				PTD2					PTD3					
41	PTD4	PTD5				PTD6					PTD7					
42	PTD8	PTD9				PTD10					PTD11					
43	PTD12	PTD13				PTD14					PTD15					
44	EIR CALL TYPE					OVFAL					CB					
45	OVFCL	DTA 1				DTA 2					DTA 3					
46	DTA 4	DTA 5				DTA 6					DTA 7					
47	DTA 8	DTA 9				DTA 10					DTA 11					
48	DTA 12	DTA 13				DTA 14					DTA 15					
49	OVFC					DTAC					NCID					
50	NETWORK CALL IDENTIFIER (NCID)															
51	NETWORK CALL IDENTIFIER (NCID)															
52	NETWORK CALL IDENTIFIER (NCID)															
53	NETWORK CALL IDENTIFIER (NCID)															
54	NETWORK CALL IDENTIFIER (NCID)															
55	T&C ROOM 1					T&C ROOM 2										
56	T&C ROOM 3					T&C ROOM 4										
57	T&C ROOM 5					T&C ROOM 6										
58	EAC1	EAC2				EAC3					EAC4					
59	EAC5	EAC6				EAC7					EAC8					
60	EAC9	EAC10				EAC11					EAC12					
61	OPIN												OVFCS			
62	TP5-OPERATOR RELEASE															
63	RN1	RN2				RN3					RN4					
BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15

Figure 34

	BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	MSB	LSB
WORD	00	CR ID	SYNC WORD (MINUS 2, OCTAL 7776)																
	01	CDID, CALL DISCONNECT I.D. NUMBER (0-15)																	
	02	CDID, CALL DISCONNECT I.D. NUMBER (16-31)																	
	03	SWID 1		SWID 2			SWID 3												
	04	ST-SWITCH TYPE			EQ-EVENT QUALIFIER														
	05	SERIT-SER EVENT TIME (0-15)																	
	06	SERIT-SER EVENT TIME (16-31)																	
	07			FCDID-FIRST RECORD CDID (12 LSAs)															
	08			LCDID-LAST RECORD CDID (12 LSAs)															
	09			NCDID-NEXT RECORD CDID (12 LSAs)															
	10	NBSN-NEMAS BLOCK SEQUENCE NUMBER																	
	11	PT-PREVIOUS TIME (0-15)																	
	12	PT-PREVIOUS TIME (16-31)																	
	13	SI	TIME OFFSET																
	14																		
	15																		
	16	SOFTWARE LOAD ID1		SOFTWARE LOAD ID2															
	17	SOFTWARE LOAD ID3		SOFTWARE LOAD ID4															
	18	SOFTWARE LOAD ID5		SOFTWARE LOAD ID6															
	19	LAST PATCHS/PR RLS1		LAST PATCHS/PR RLS2															
	20	QCDR		QSCDR															
	21	QPMR		QSPMR															
	22	QOSR		QSOSR															
	23	QPOSR		QSPOSR															
	24	QSER		CNPN															
	25	CDR THROTTLE START TIME (0-15)																	
	26	CDR THROTTLE START TIME (16-31)																	
	27	CDR THROTTLE STOP TIME (0-15)																	
	28	CDR THROTTLE STOP TIME (16-31)																	
	29															FORMAT VER.			
	30	THROTTLE COUNT (0-15)																	
	31	THROTTLE COUNT (16-31)																	
	BIT	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15		

Figure 35

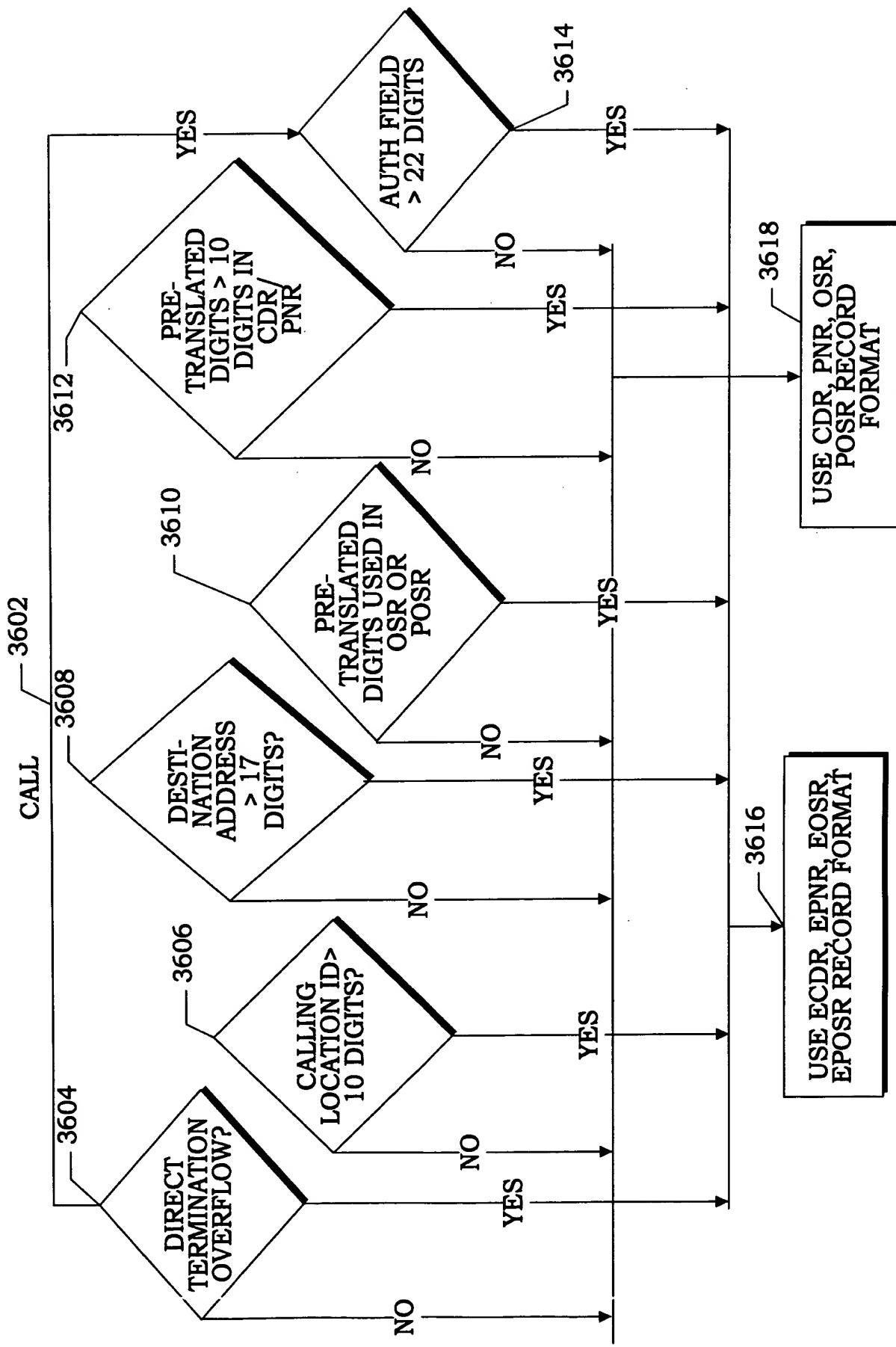


Figure 36

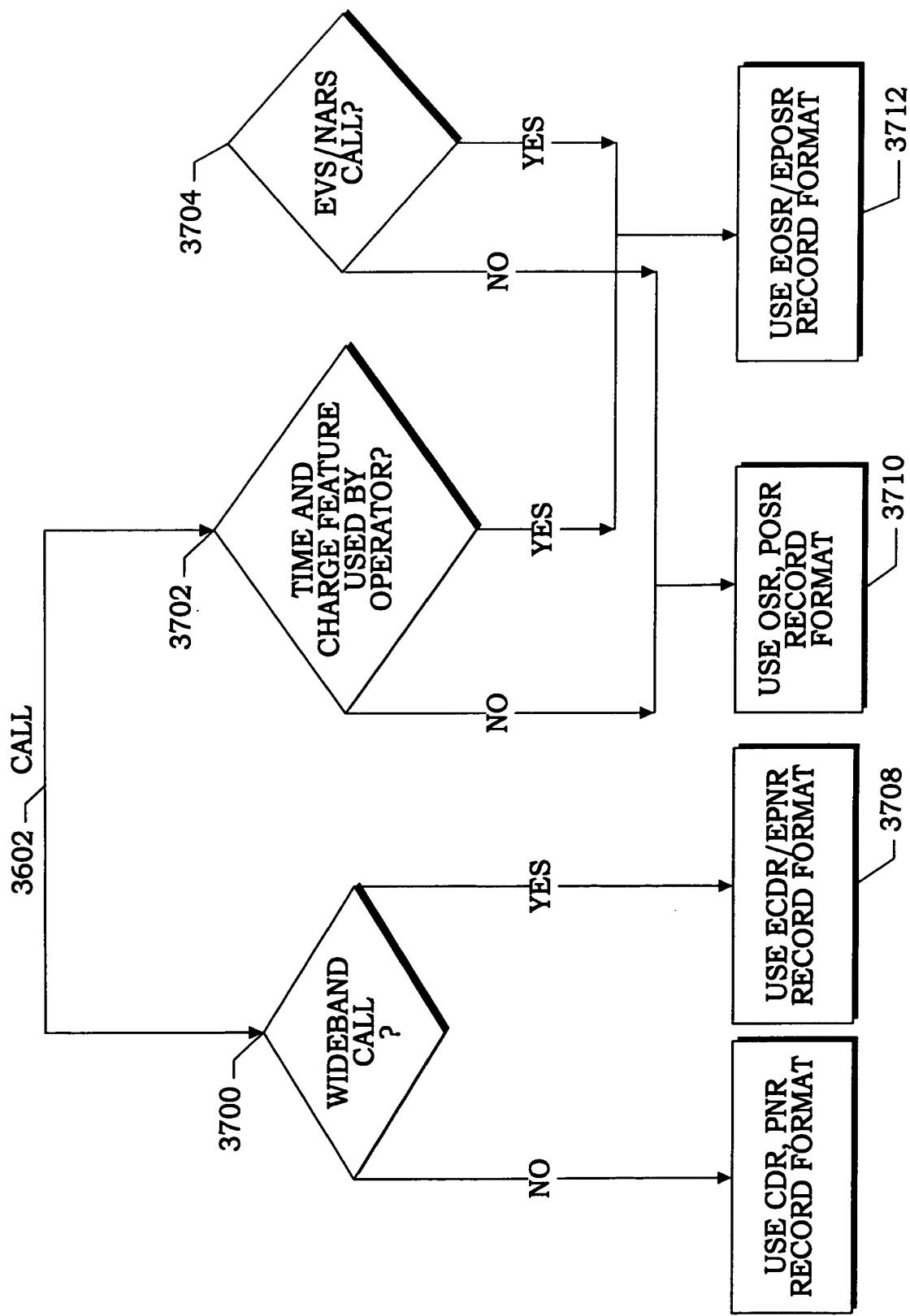


Figure 37

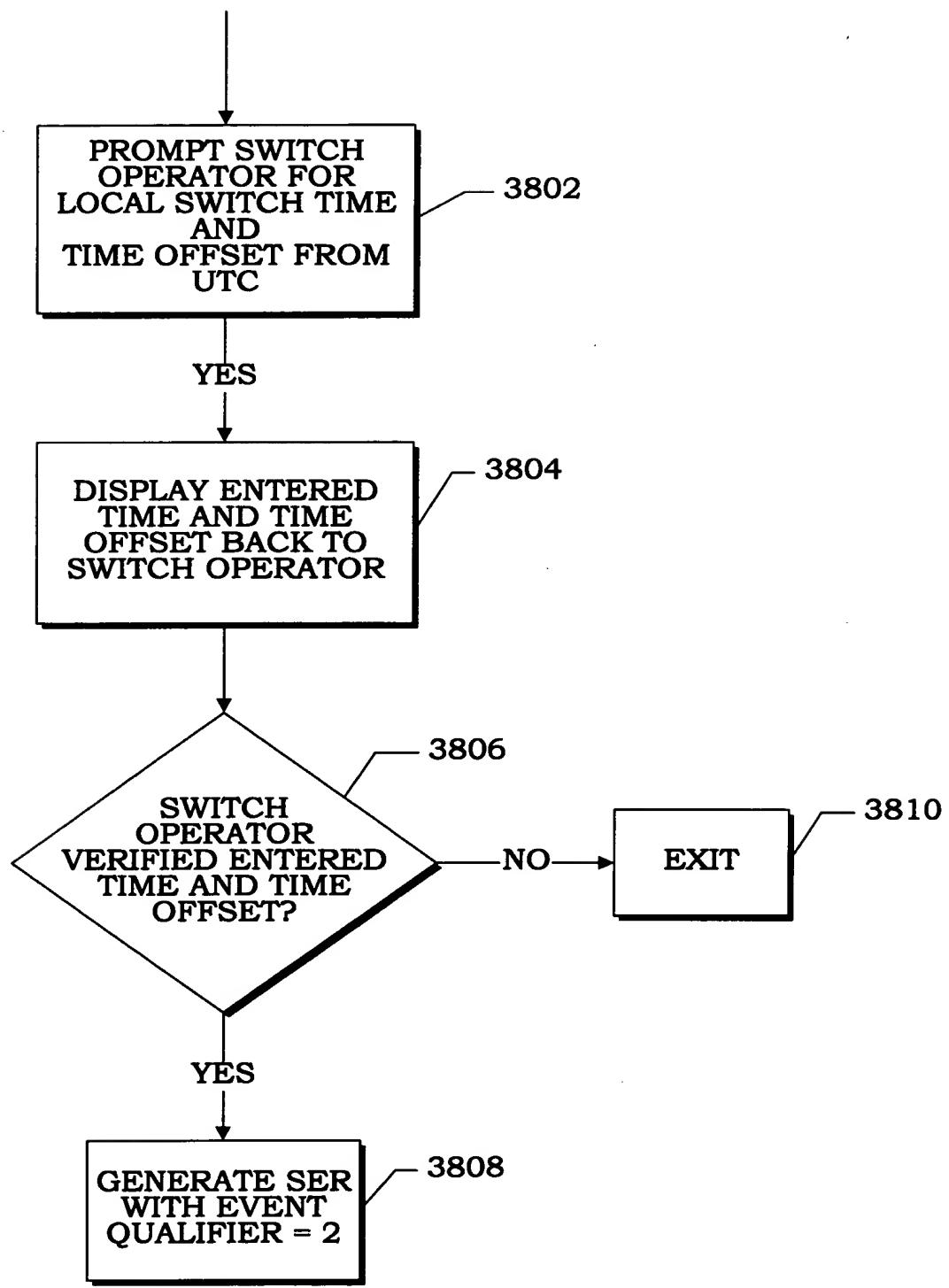


Figure 38

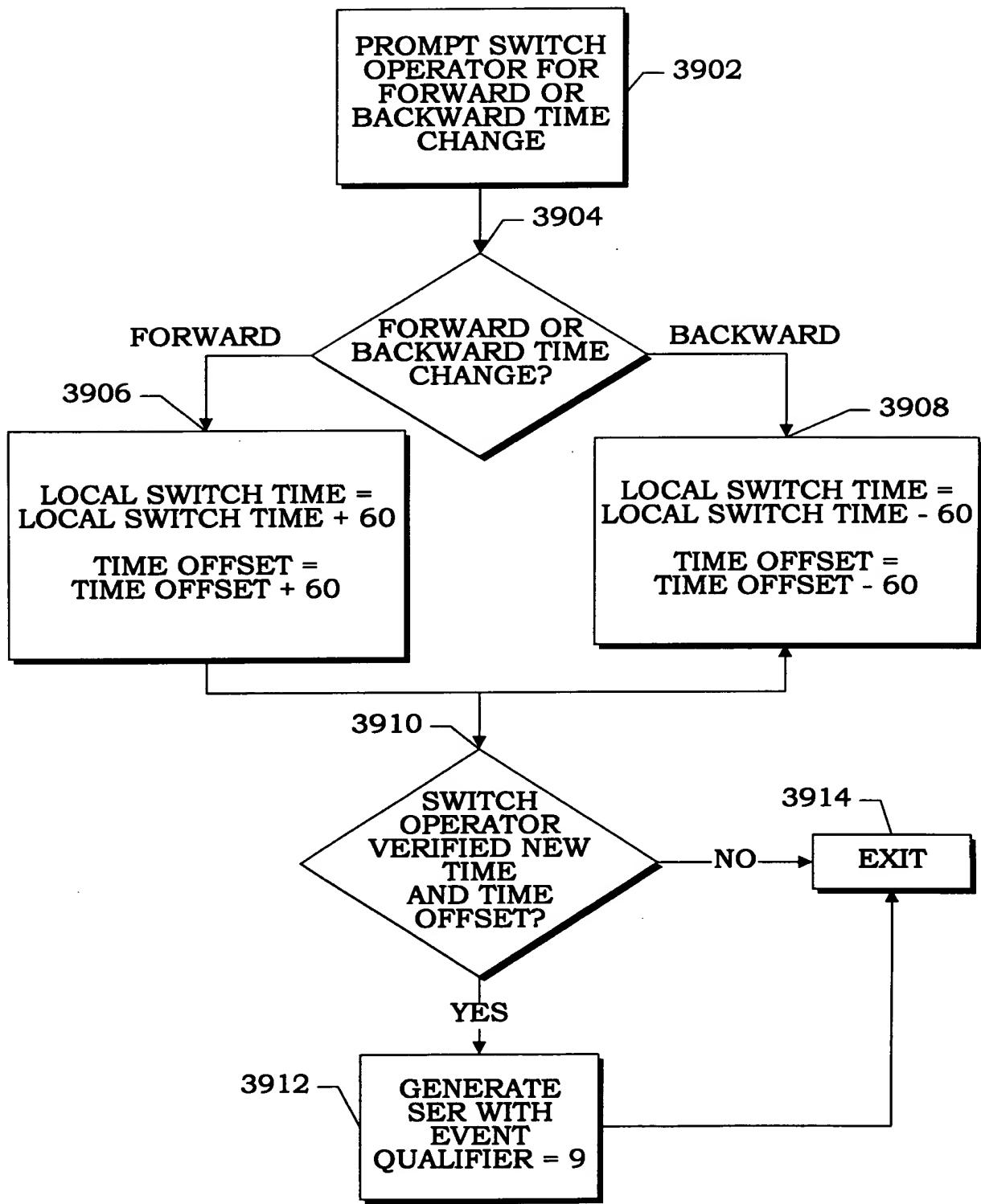


Figure 39

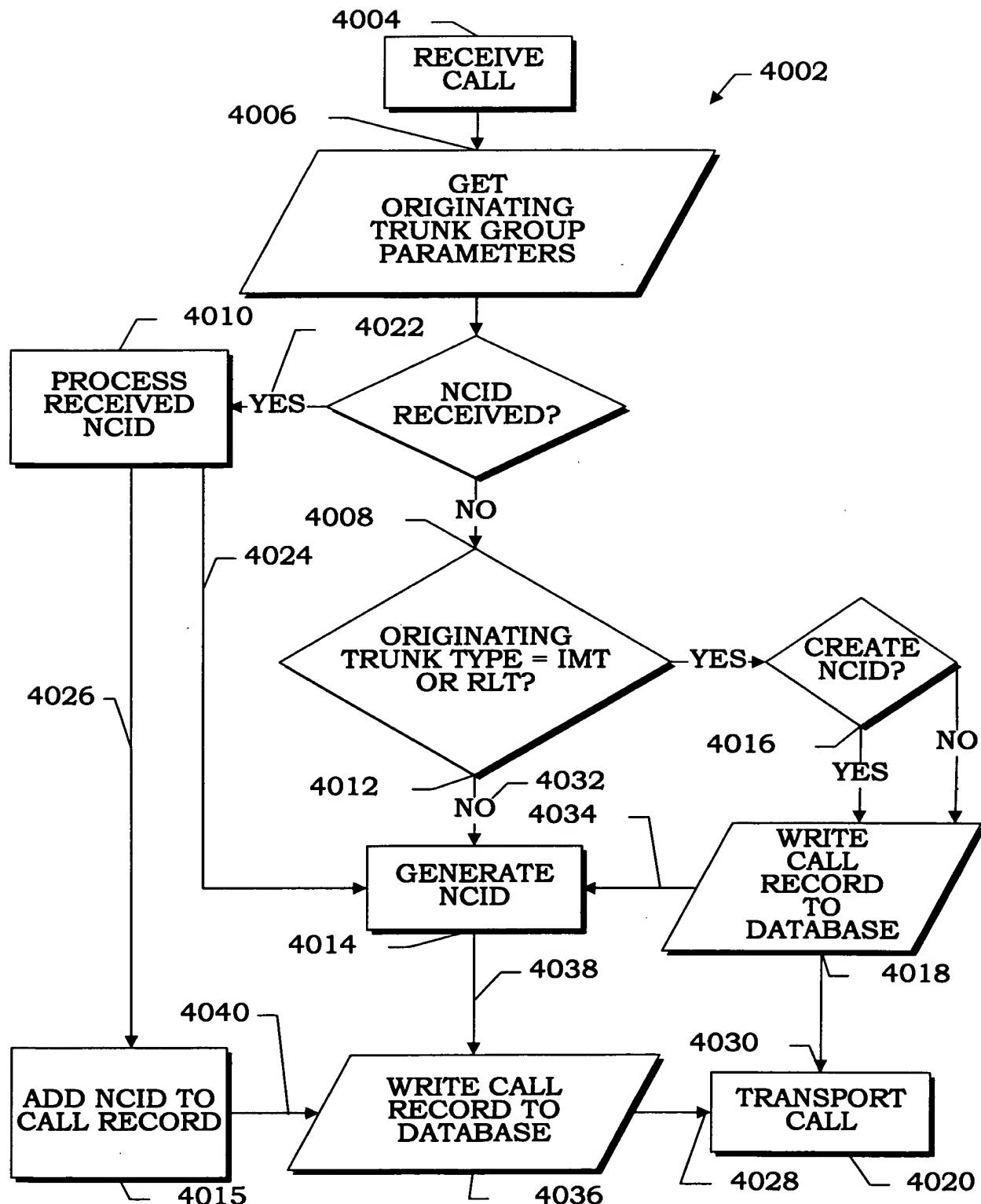


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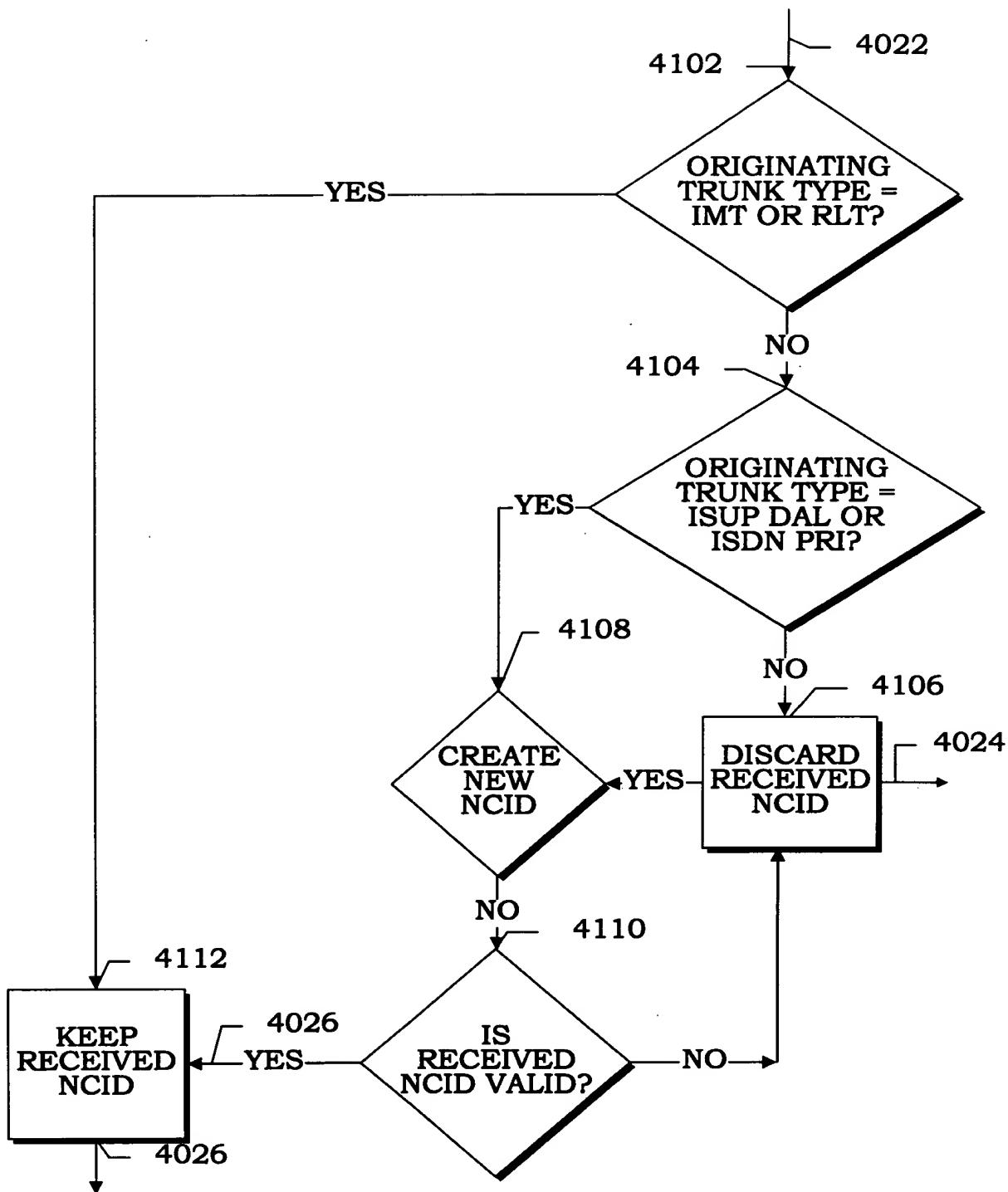


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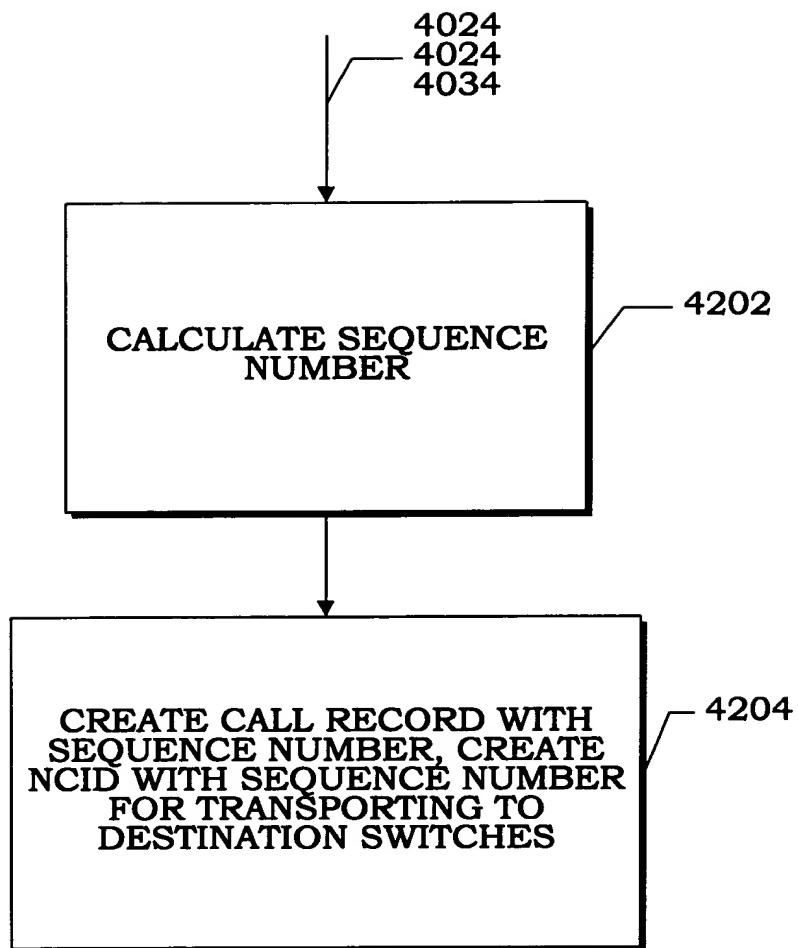


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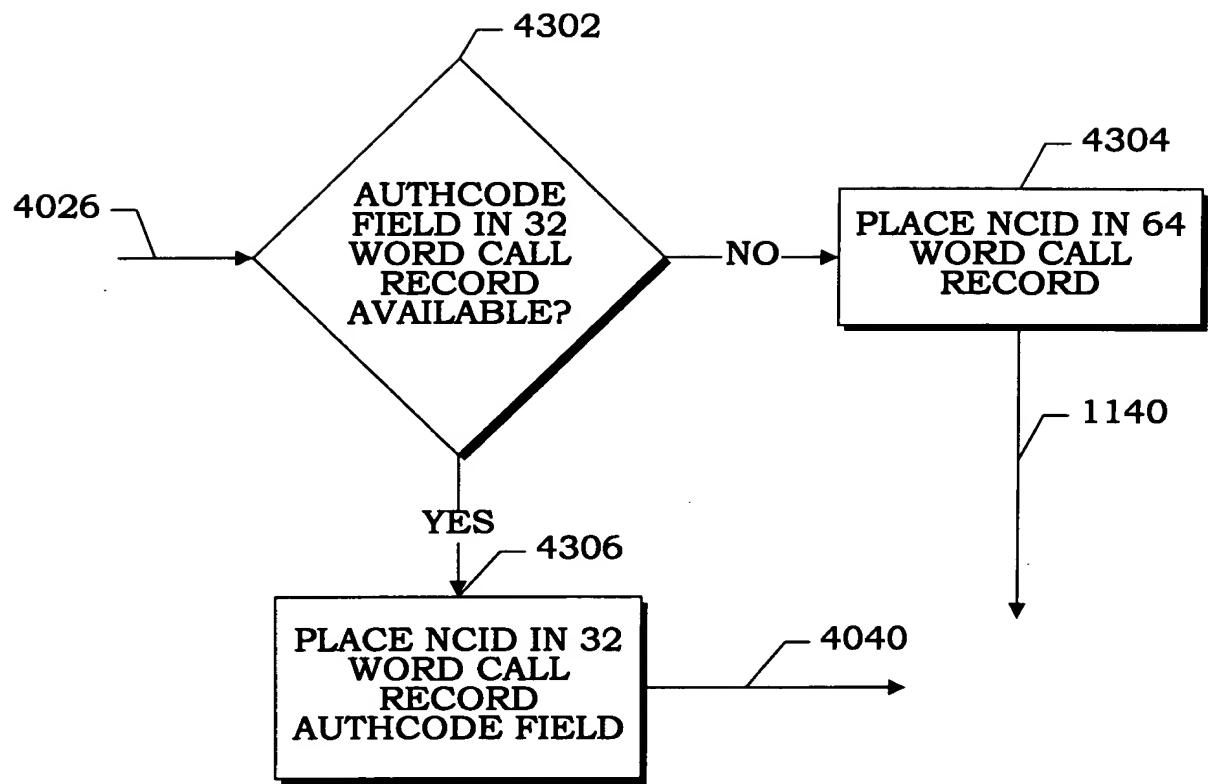
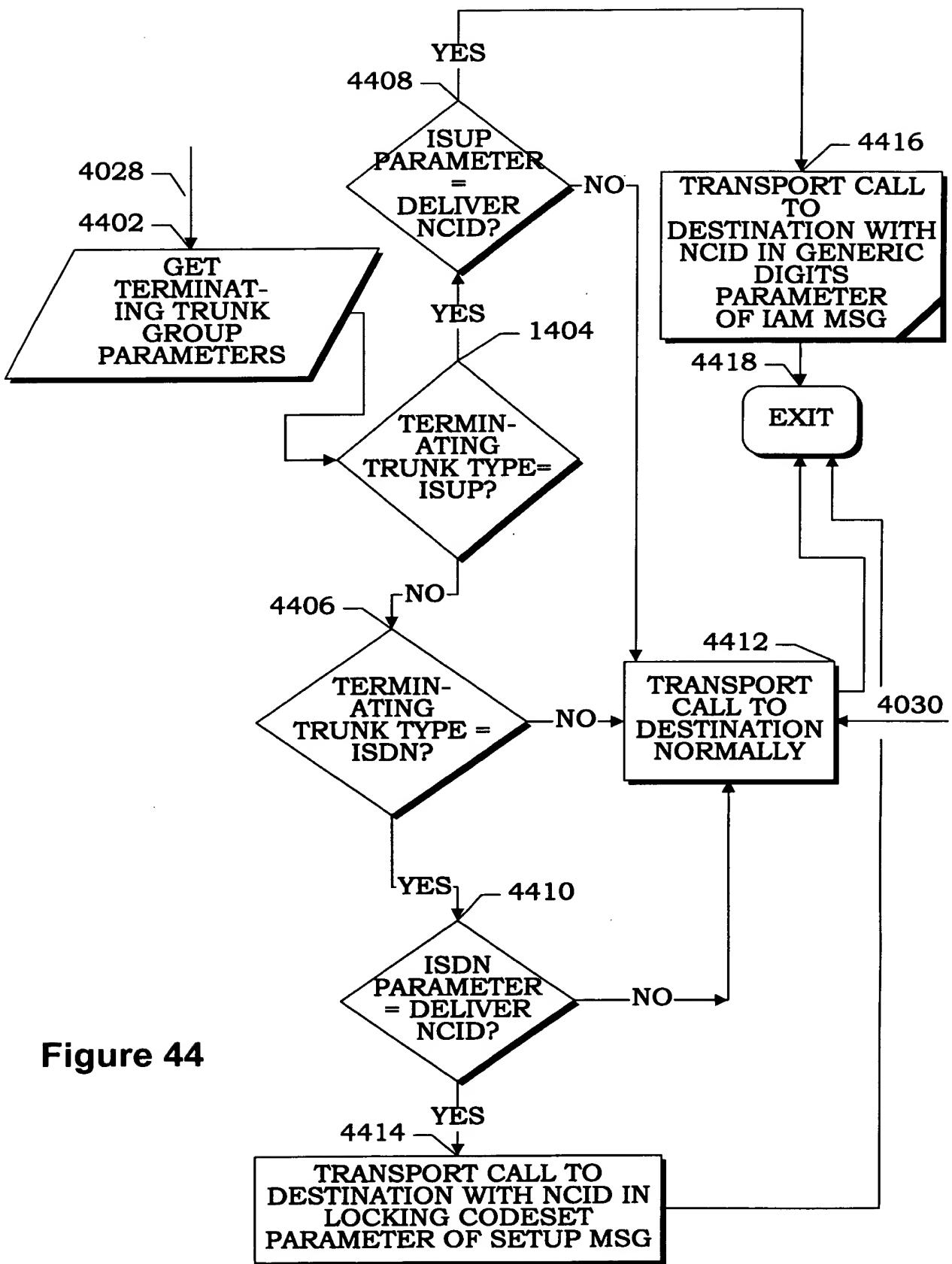


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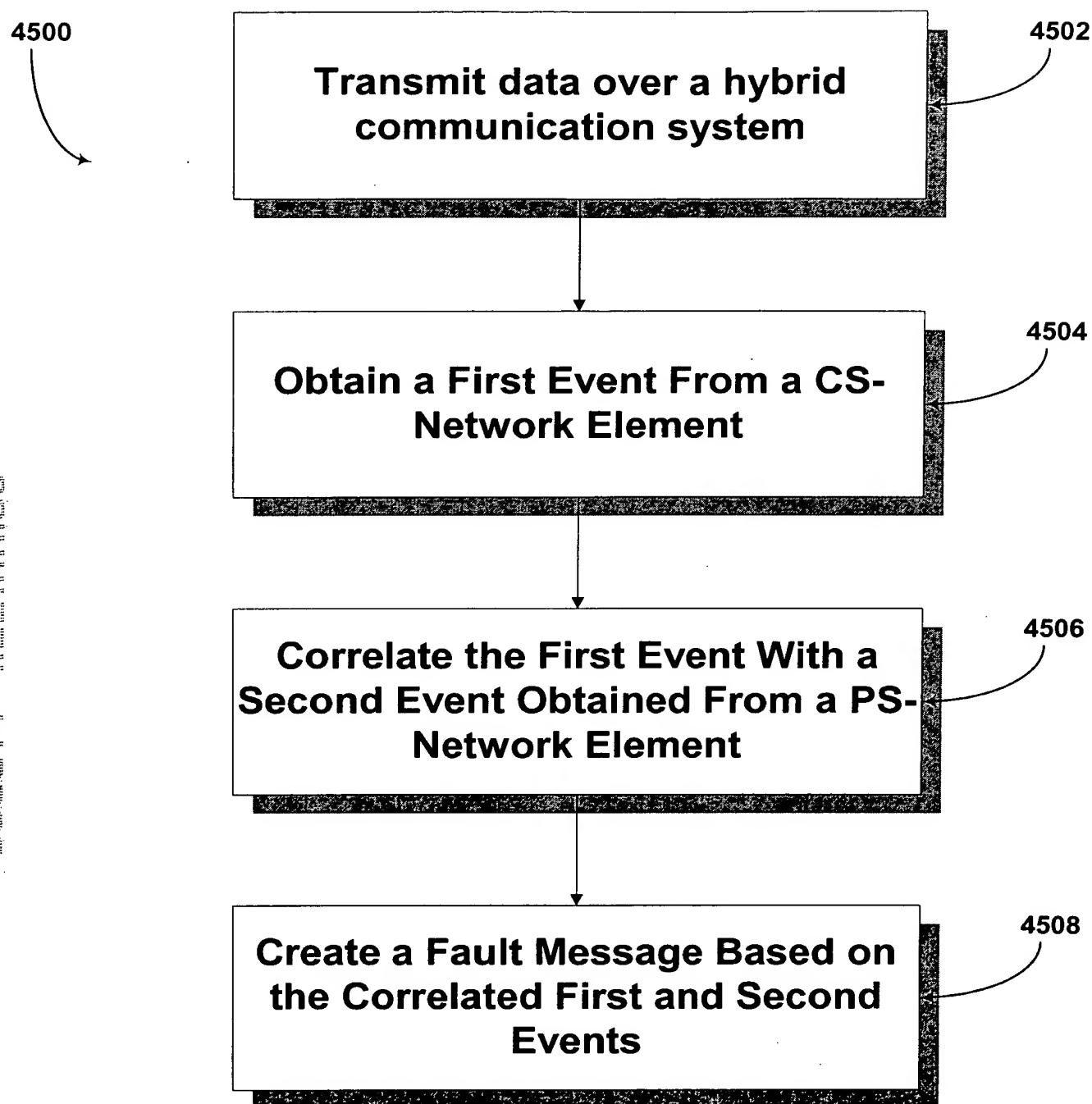


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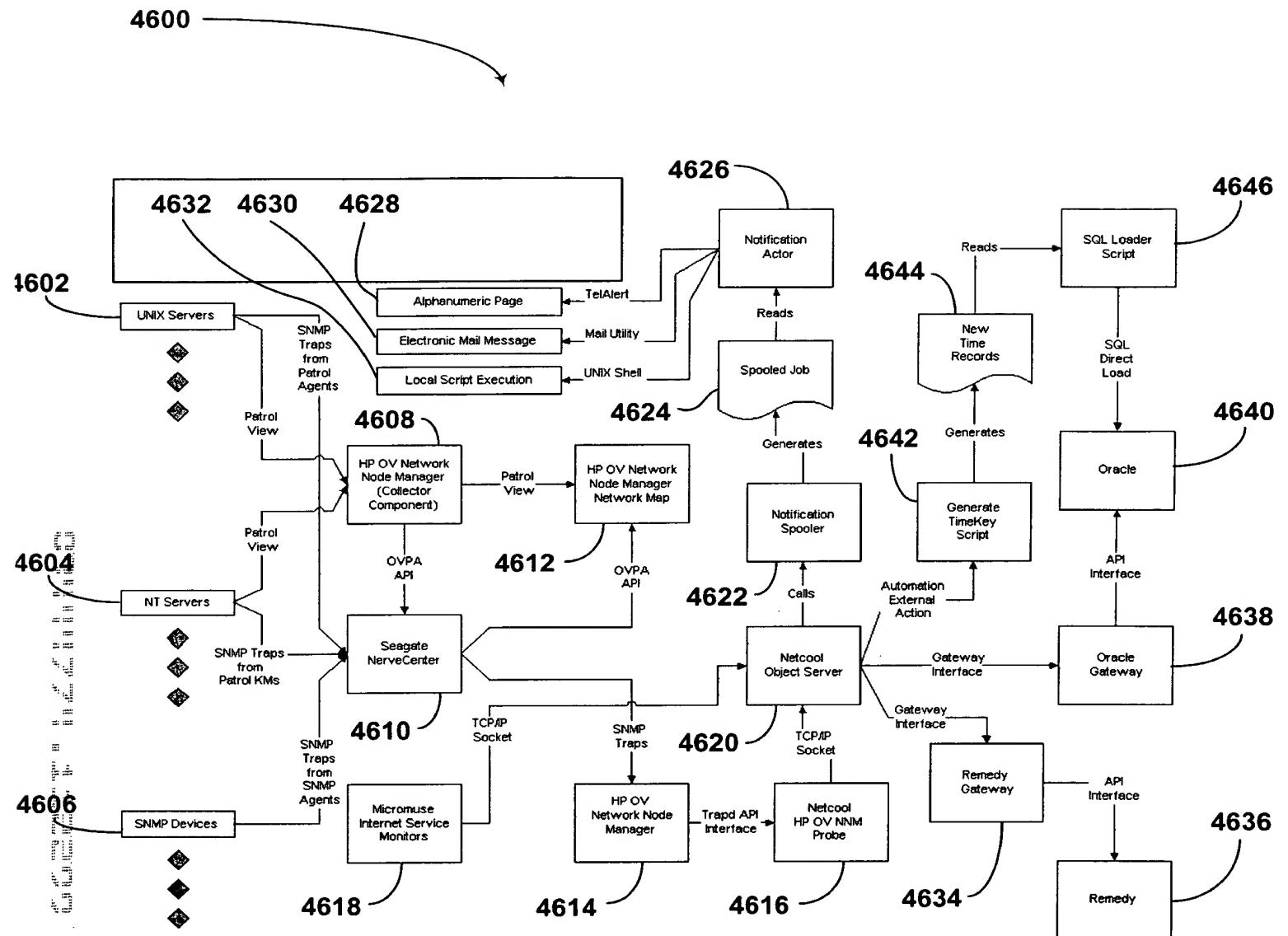


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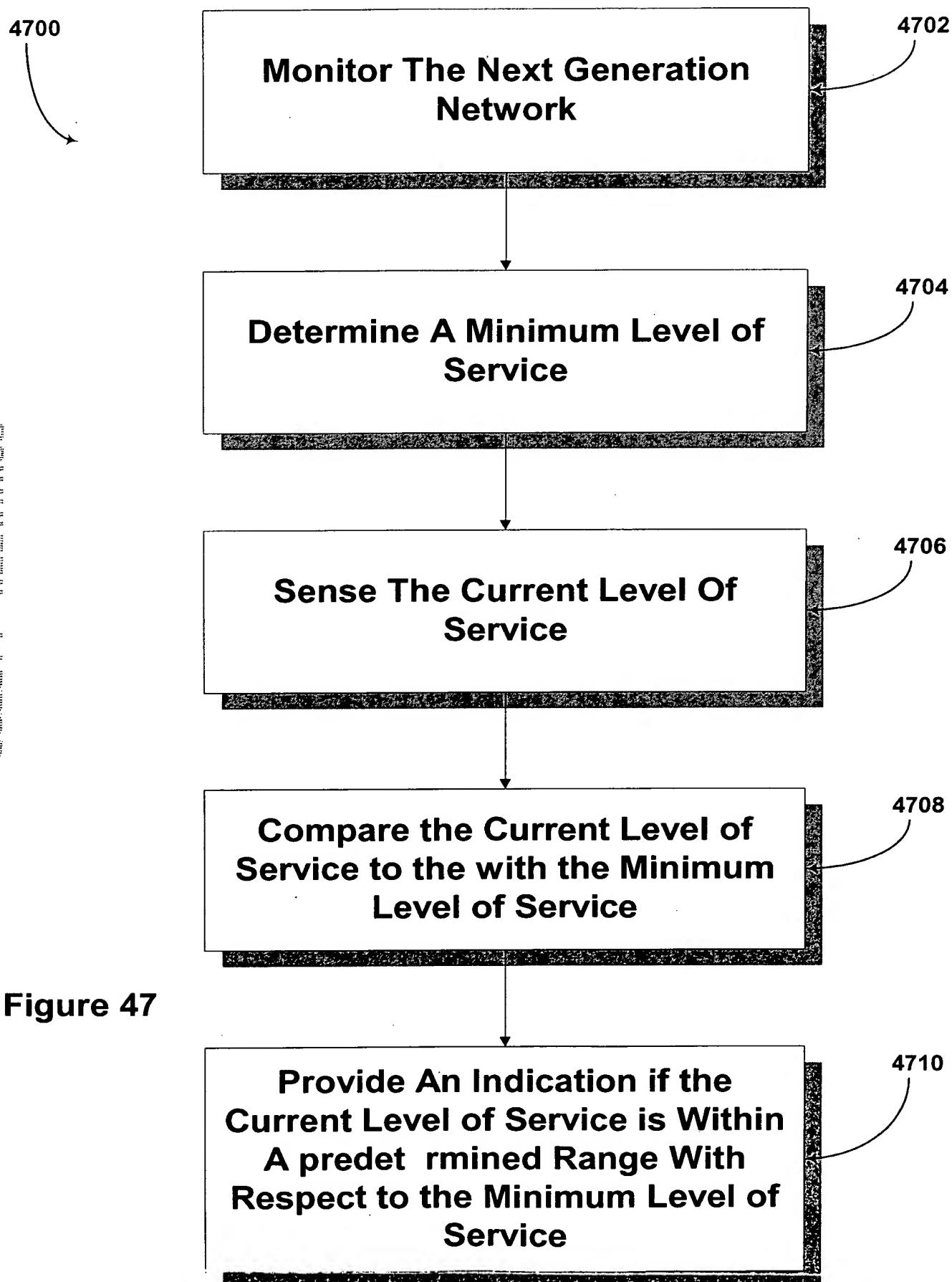


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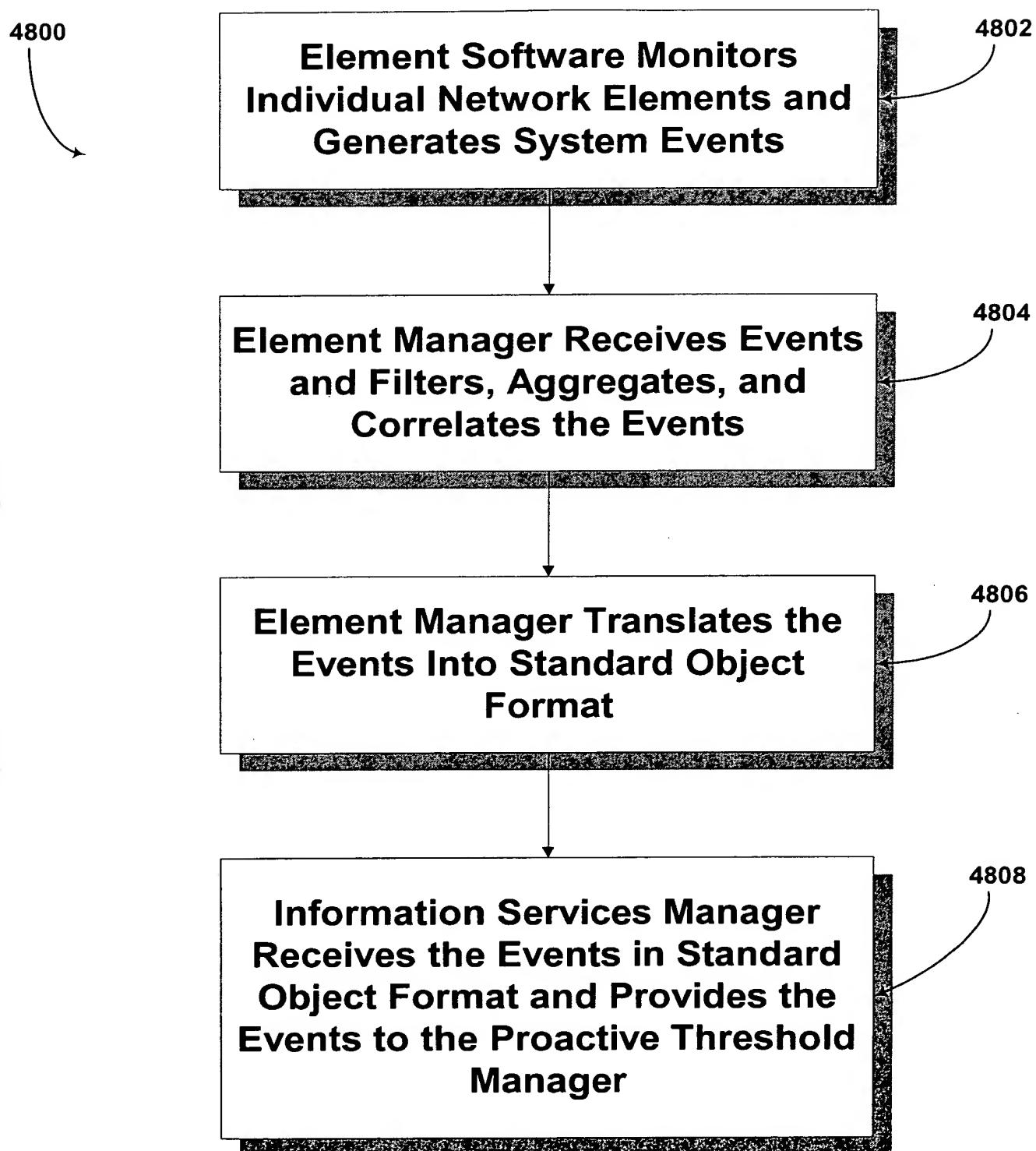


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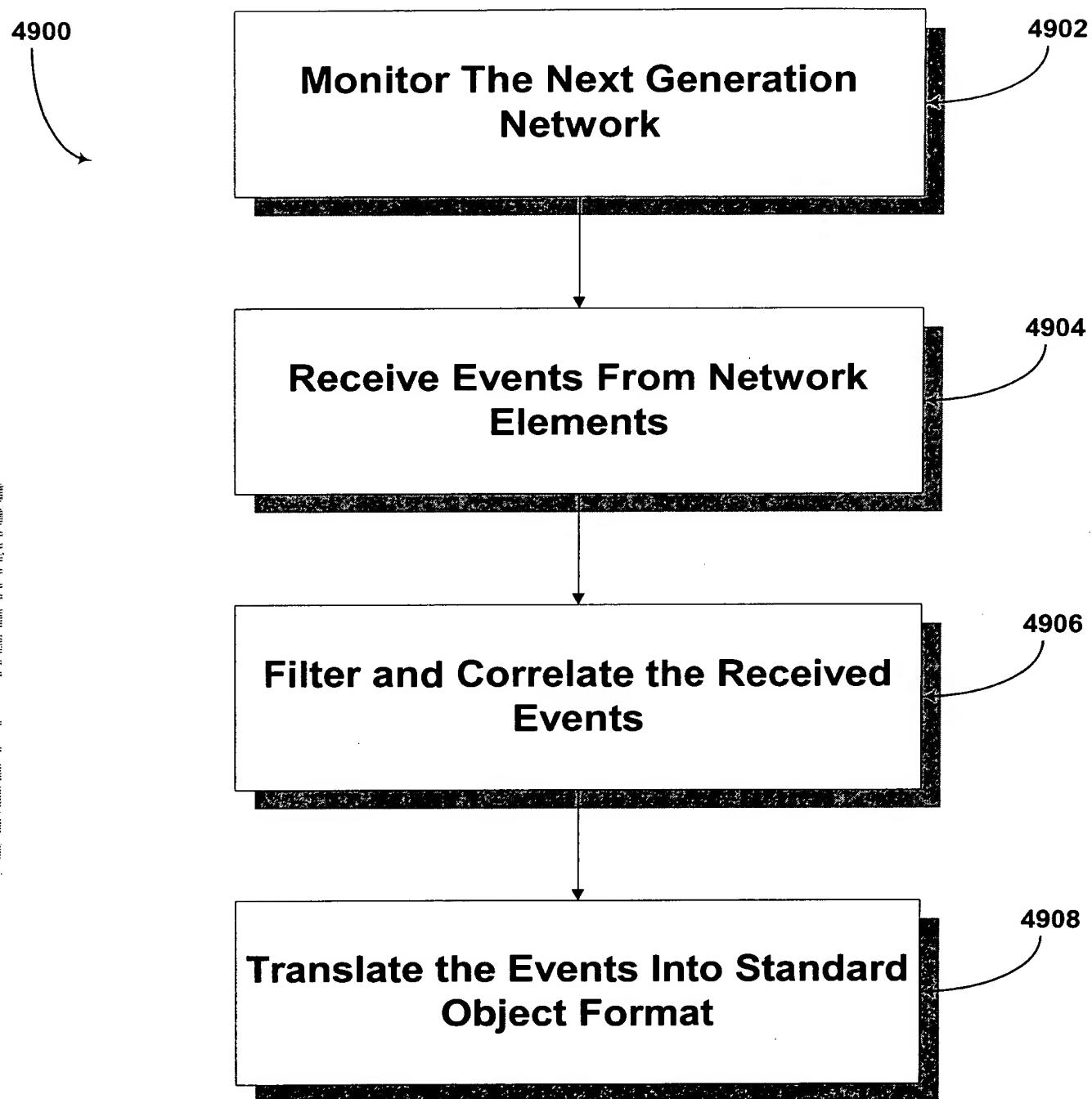


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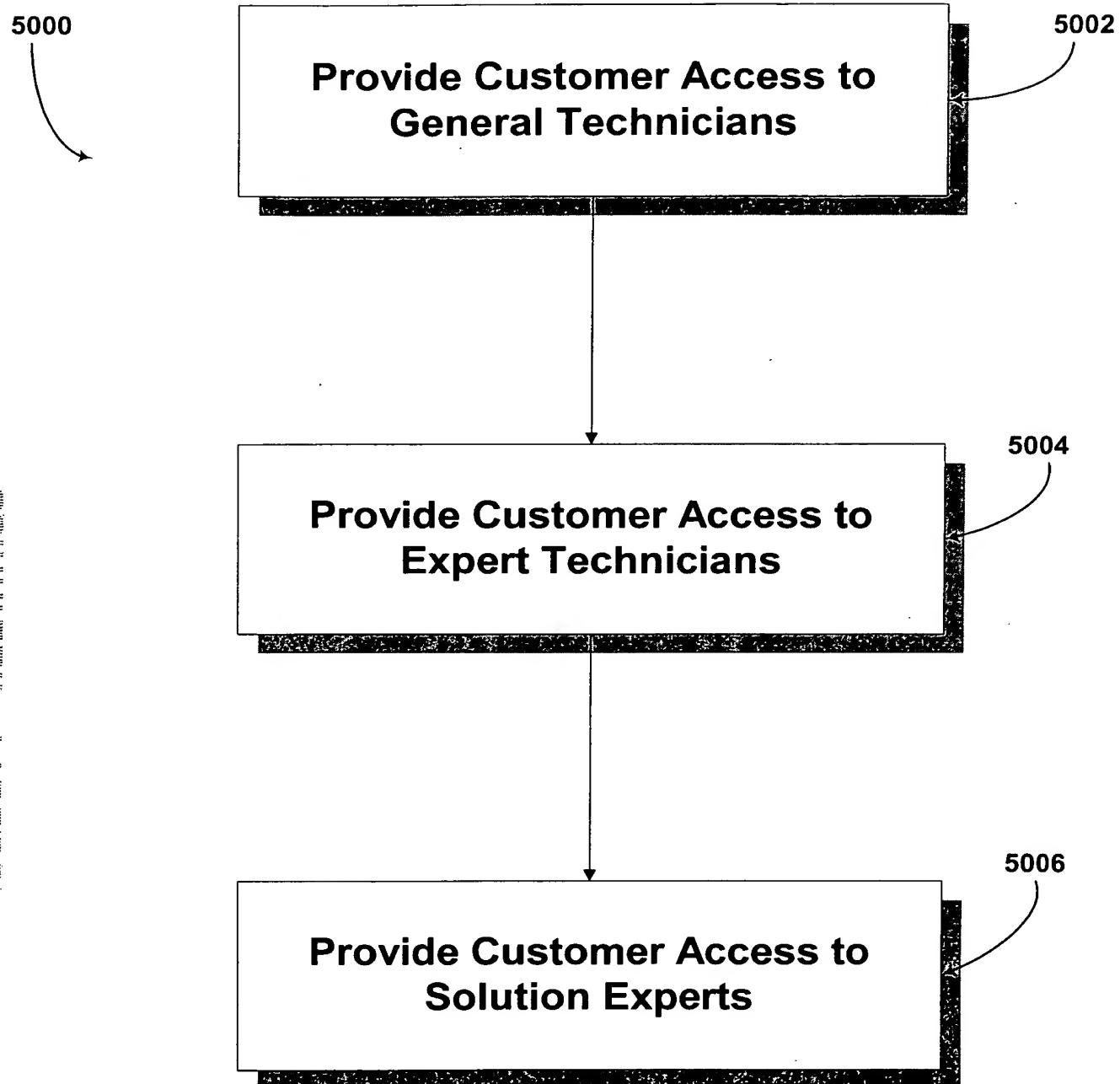


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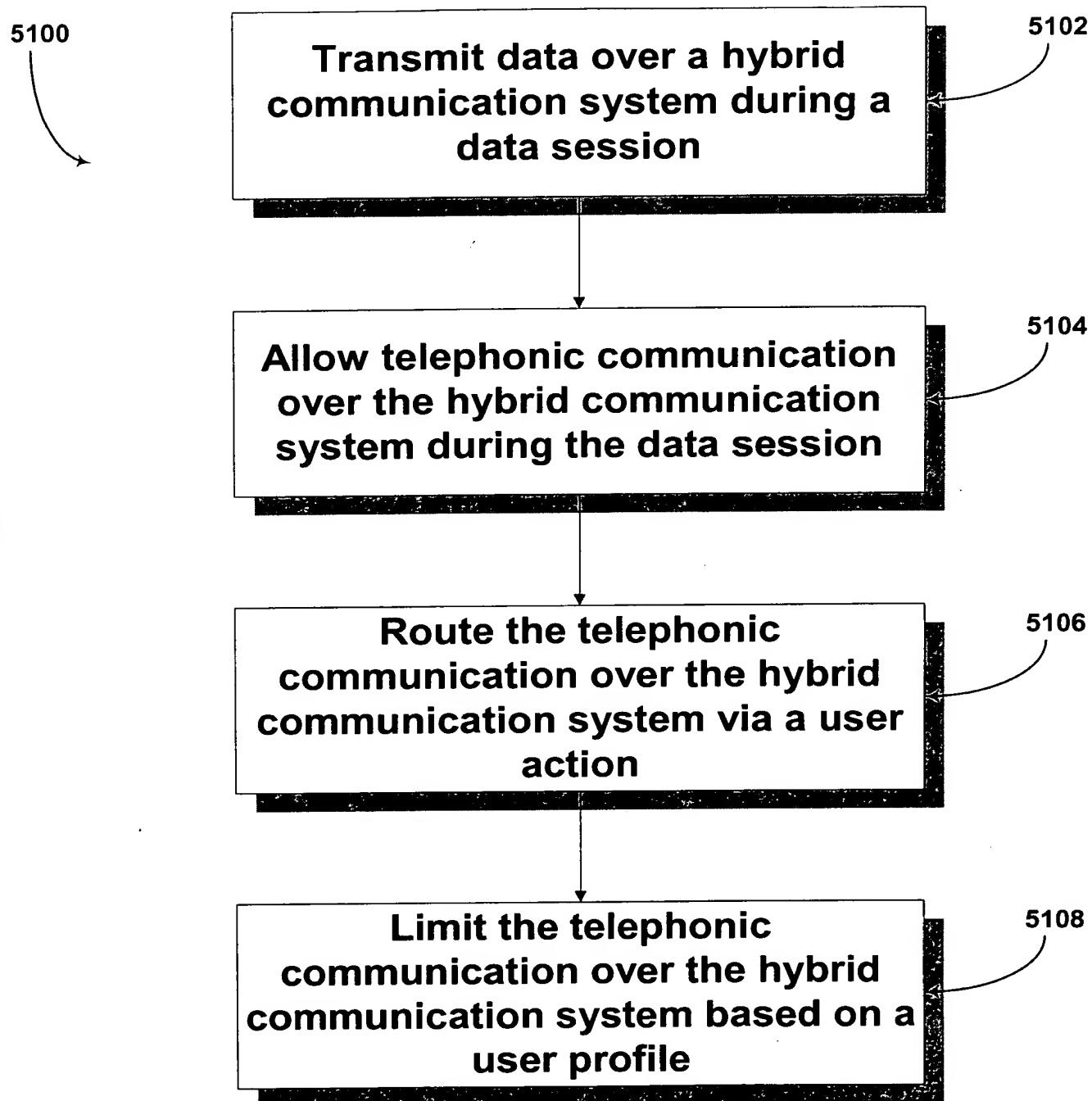


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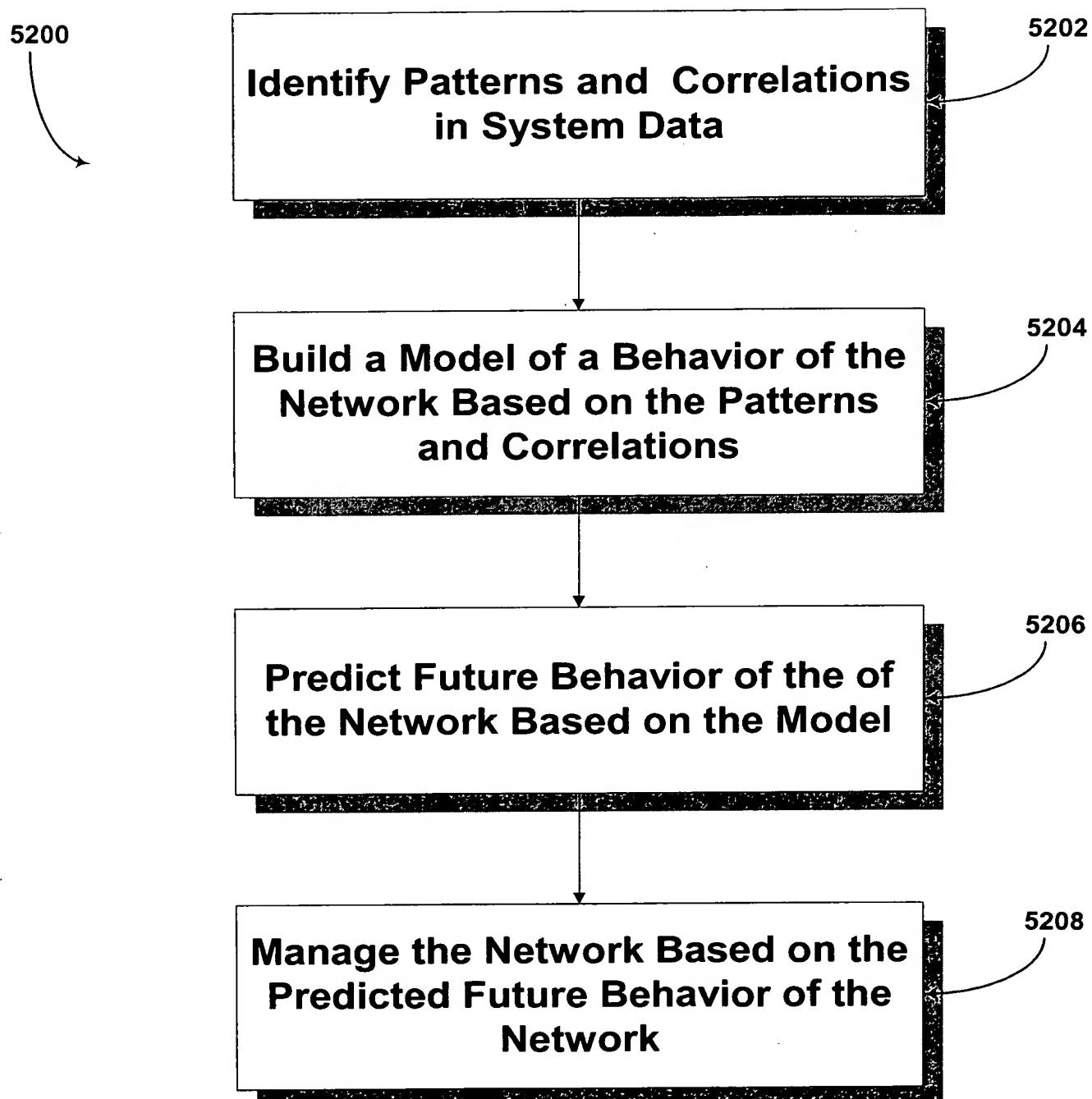
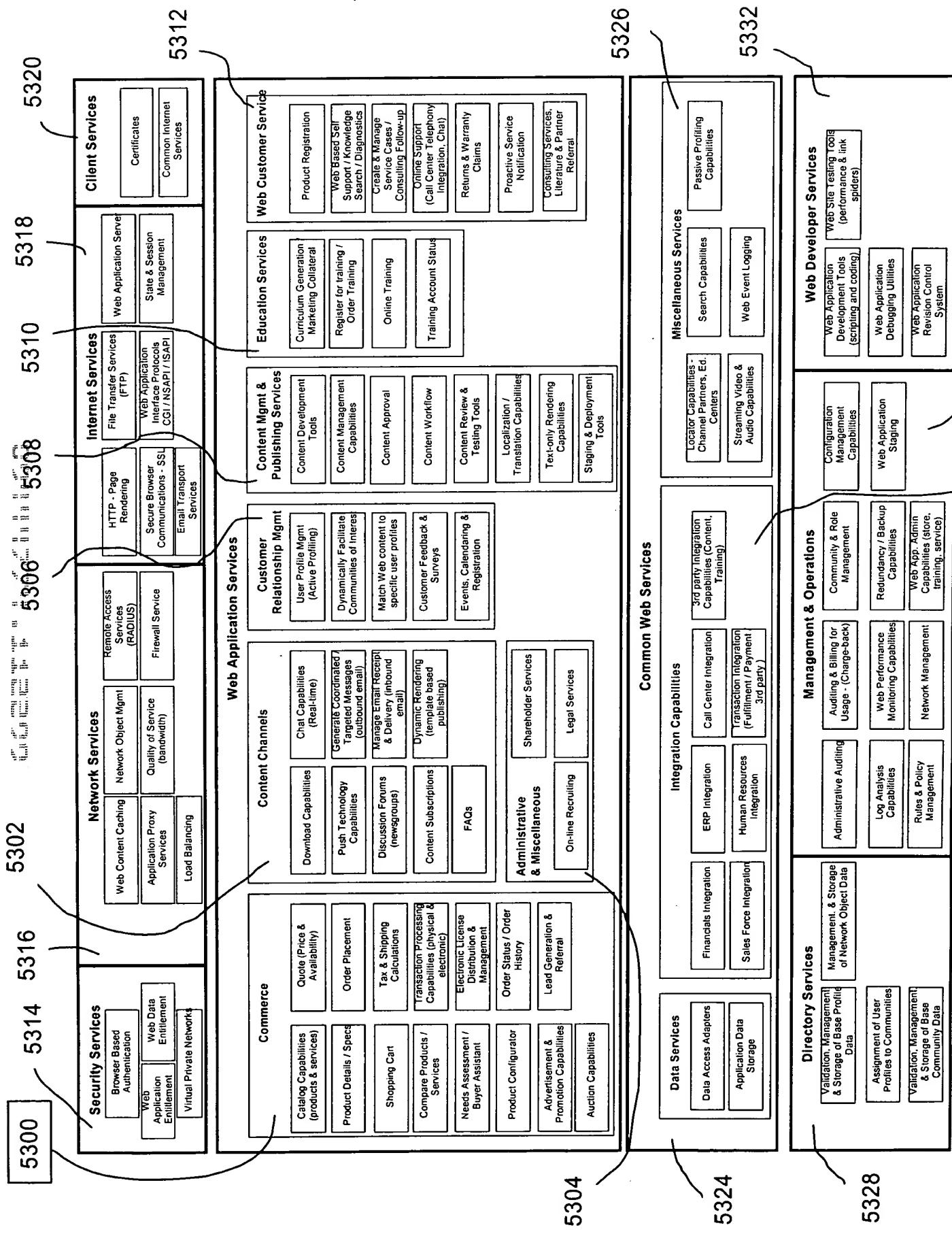


Figure 52

Figure 53



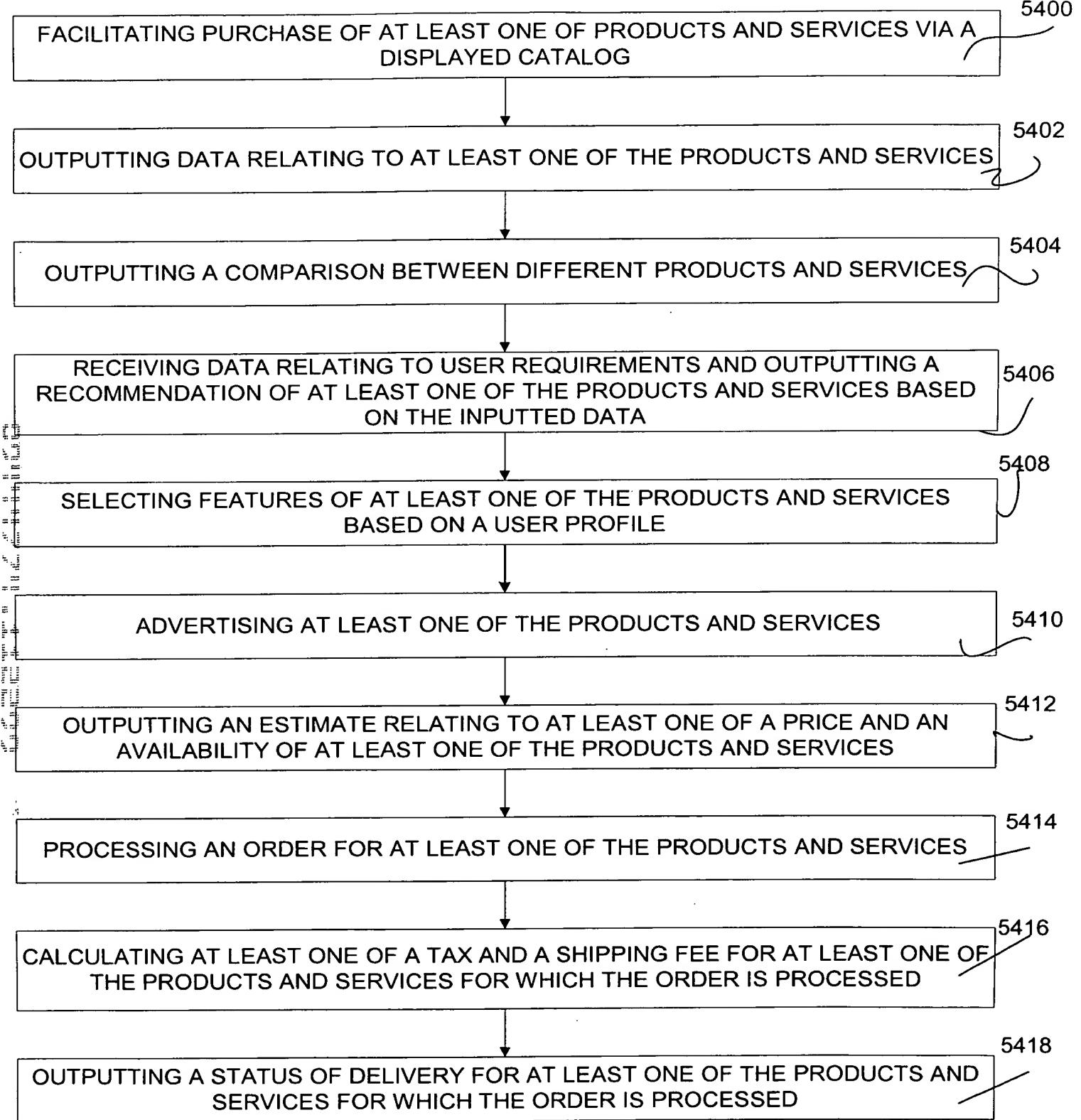


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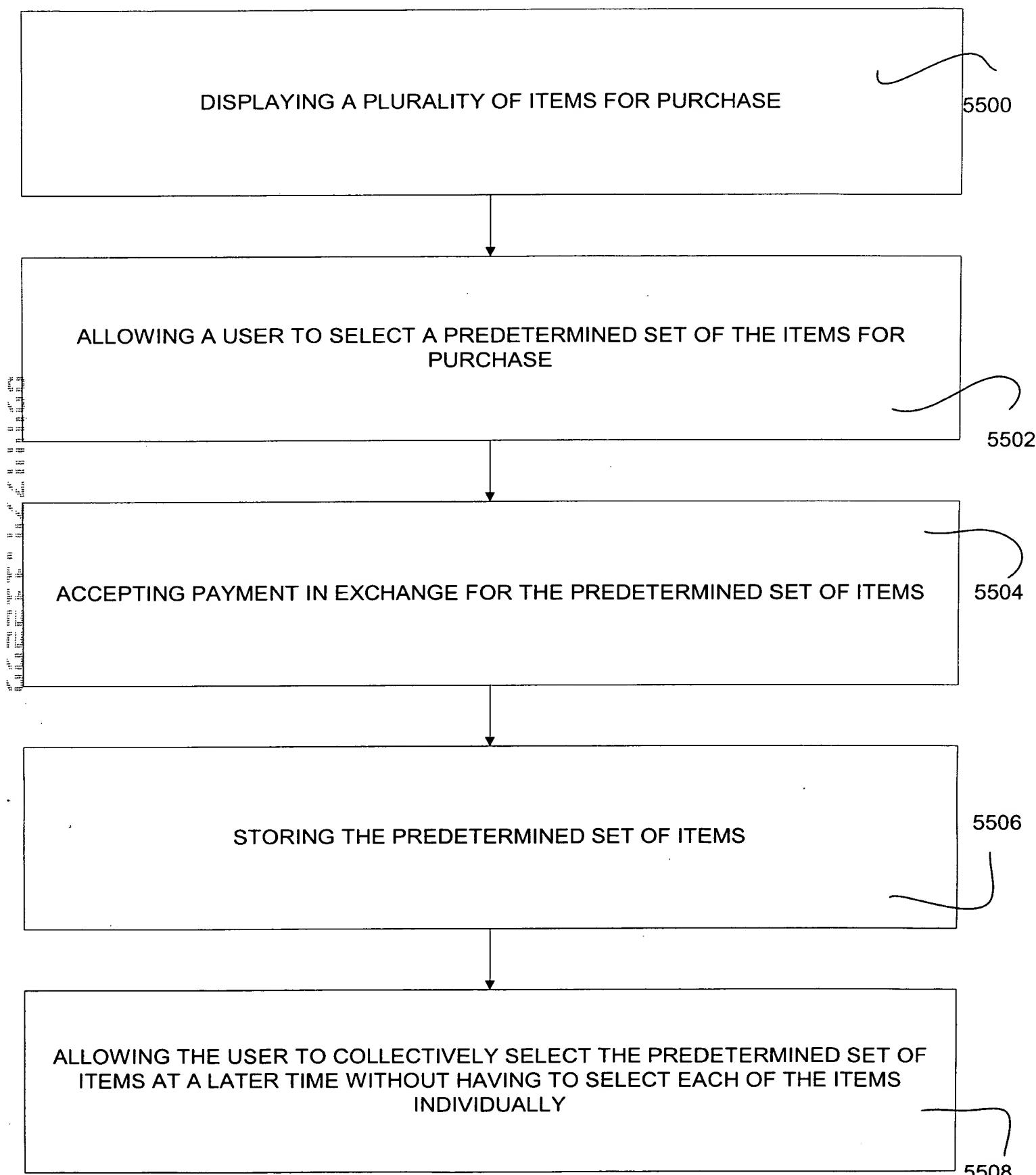
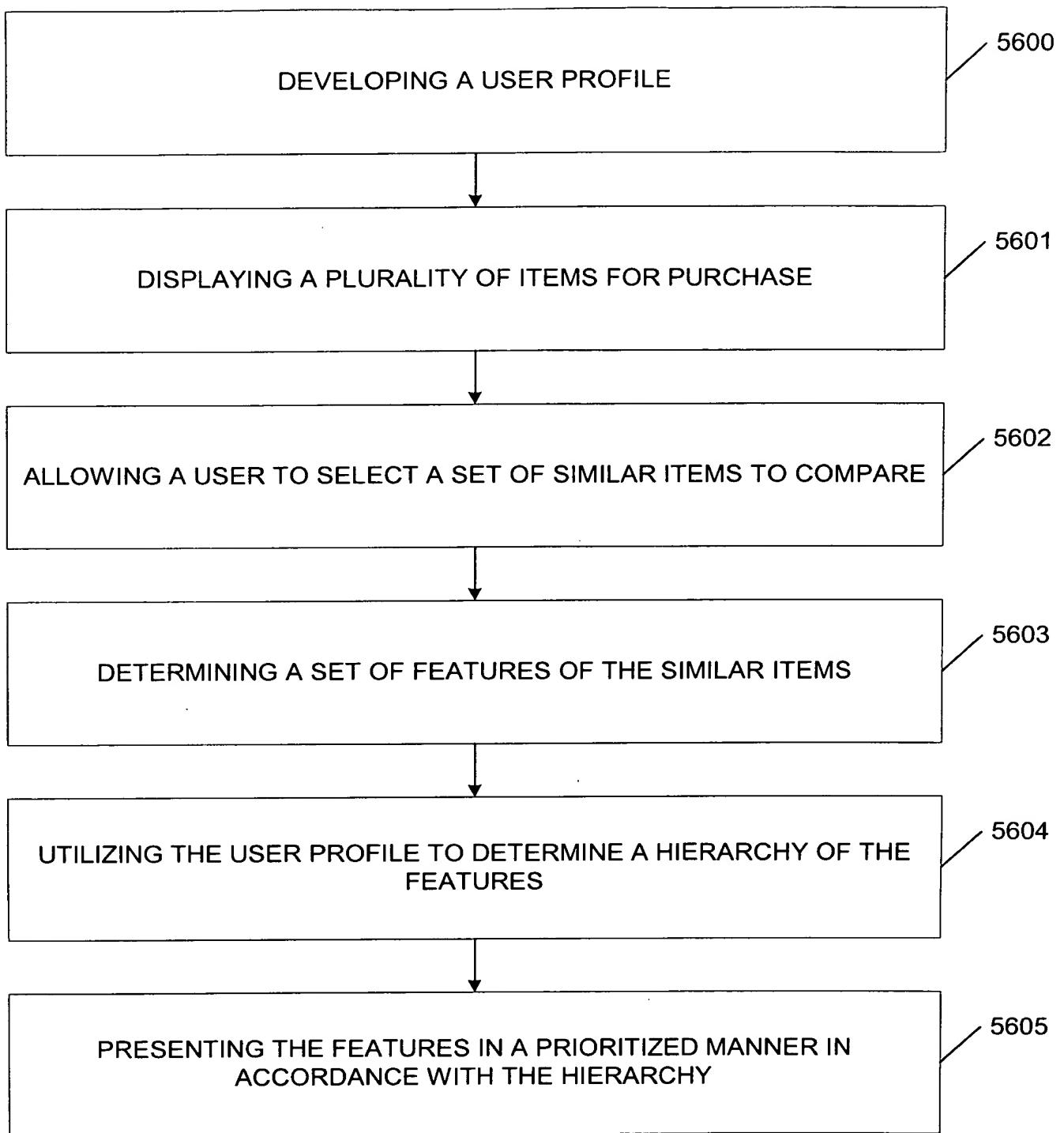


Figure 55



5404

Figure 56

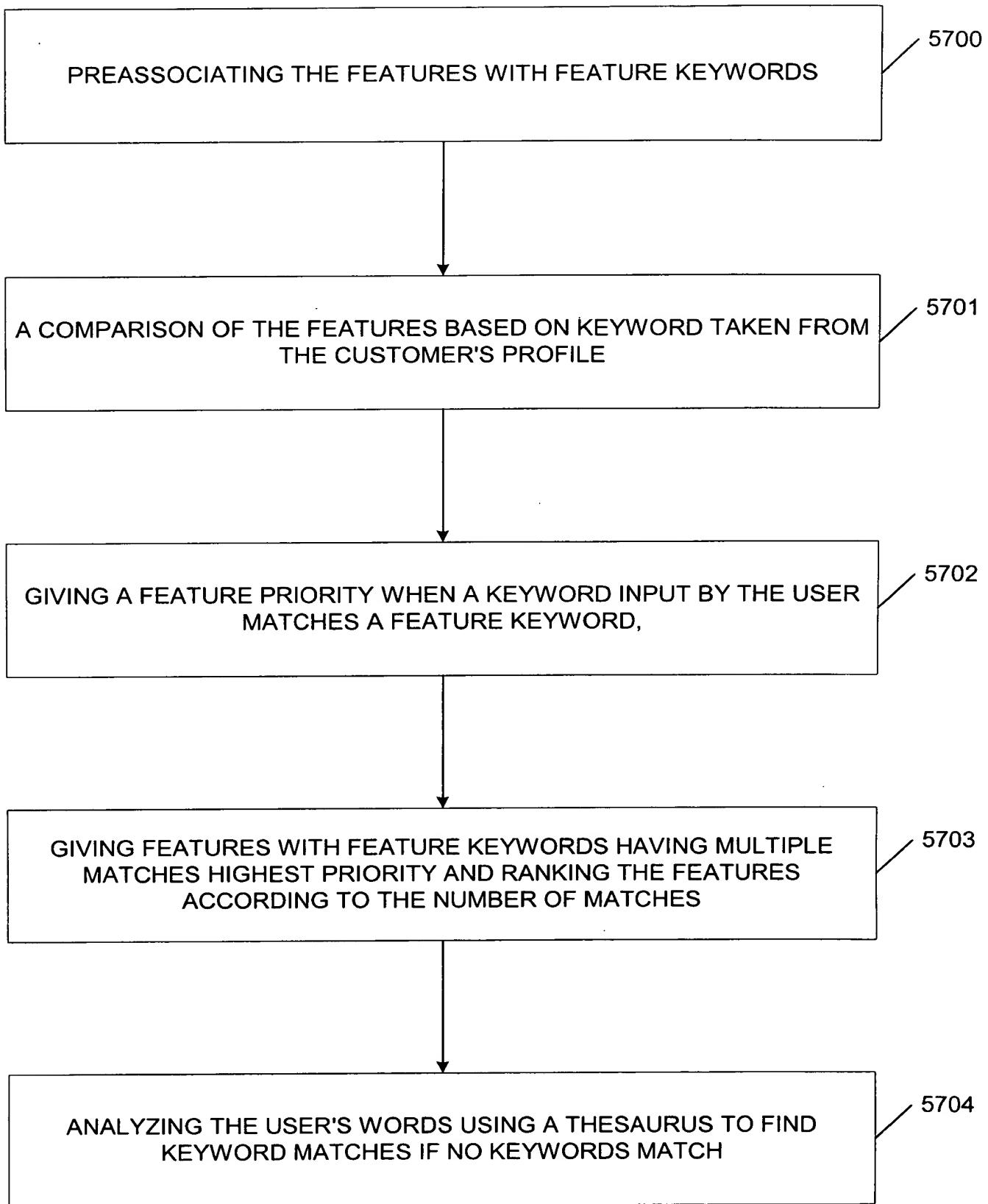


Figure 57

5614

5700

5701

5702

5703

5704

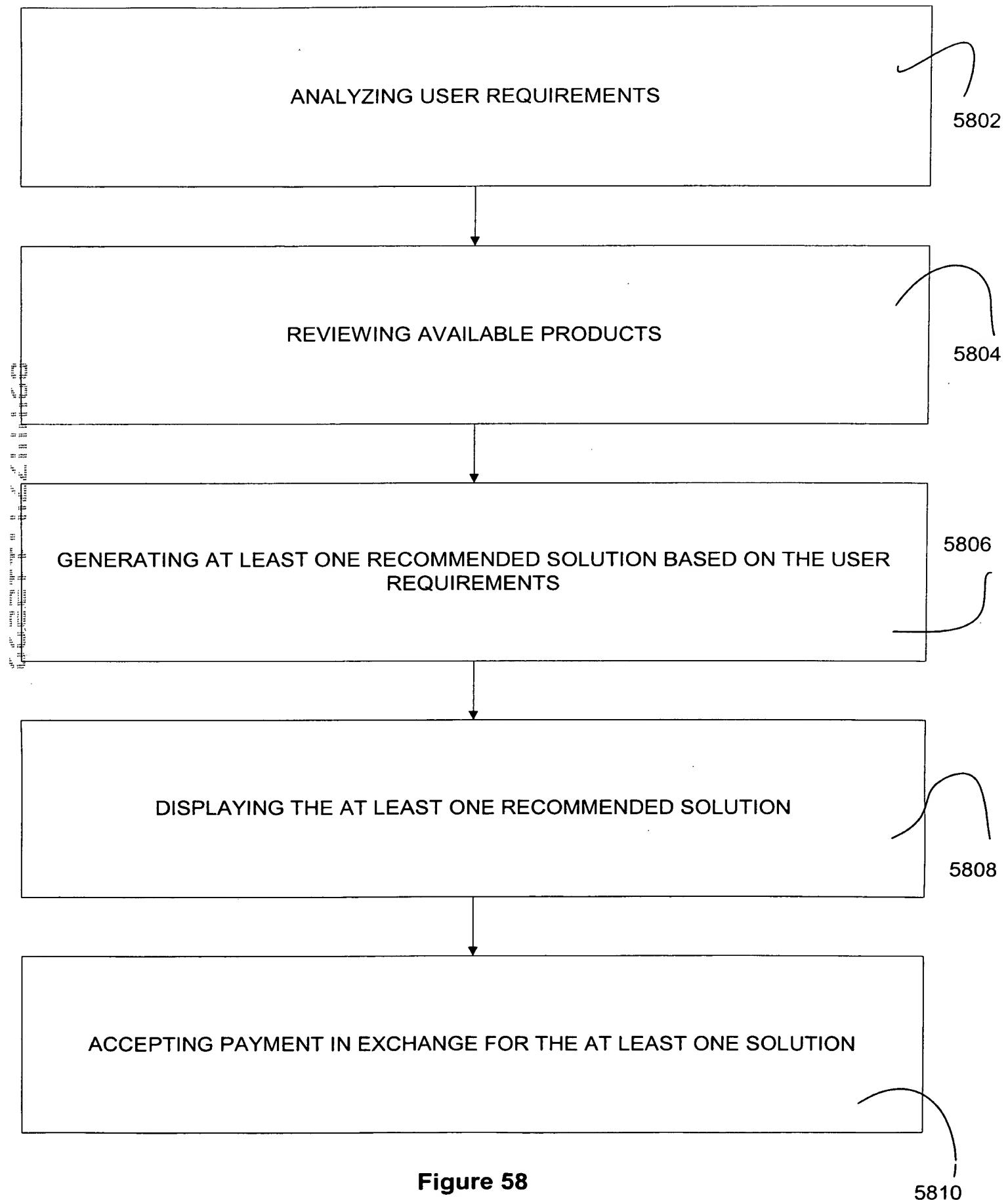


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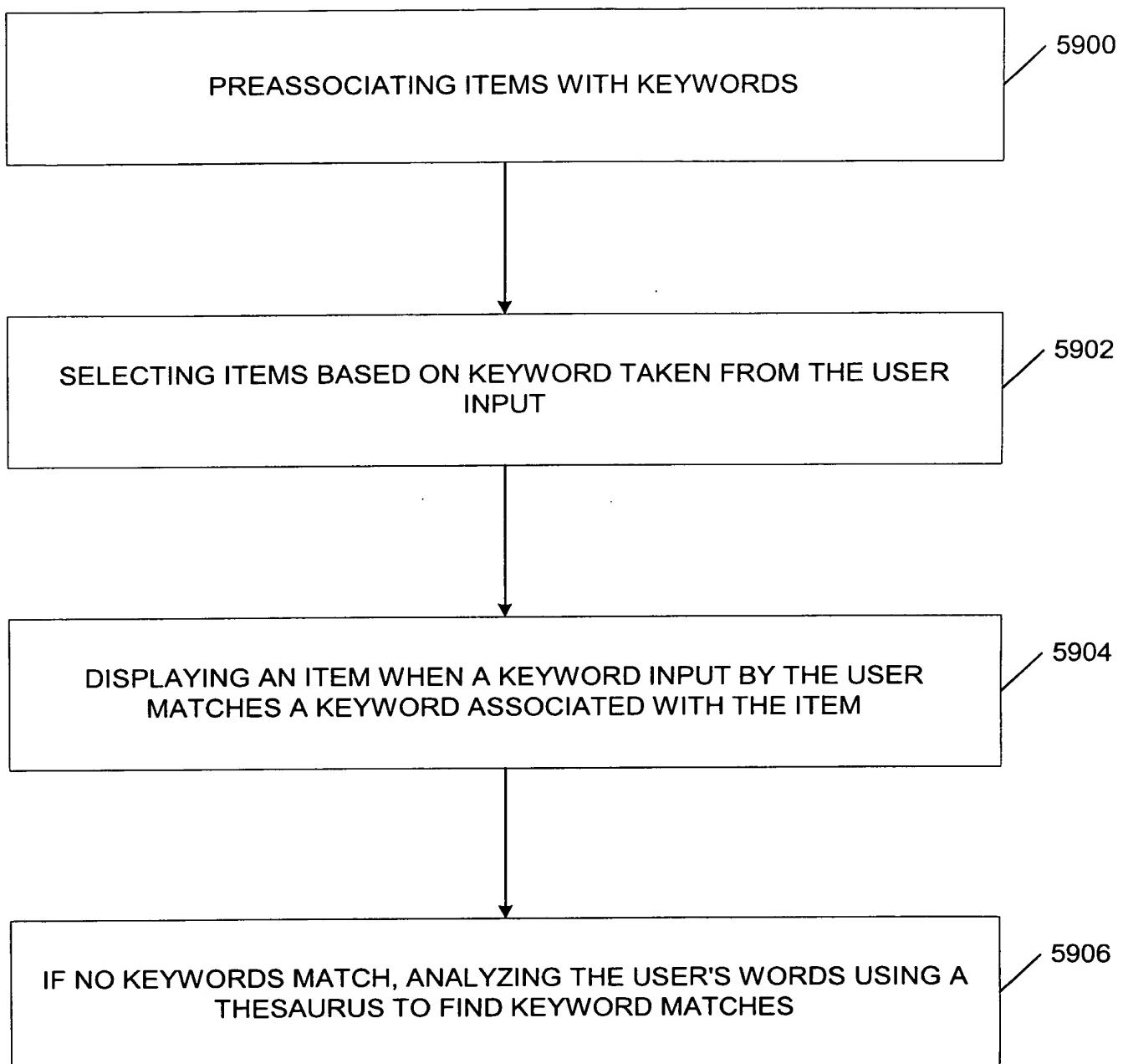


Figure 59

5806

DISPLAYING A PLURALITY OF ITEMS FOR PURCHASE, WHEREIN EACH OF THE ITEMS INCLUDES A PLURALITY OF AVAILABLE FEATURES

6002

DISPLAYING THE AVAILABLE FEATURES OF THE ITEMS

6003

ALLOWING A USER TO SELECT THE AVAILABLE FEATURES OF EACH OF THE ITEMS TO BE PURCHASED

6004

DETERMINING A PRICE AND AVAILABILITY OF THE SELECTED ITEMS AND THE SELECTED FEATURES THEREOF AND DISPLAYING THE SAME

6006

ACCEPTING PAYMENT IN EXCHANGE FOR THE SELECTED ITEMS AND THE SELECTED FEATURES THEREOF

6008

Figure 60

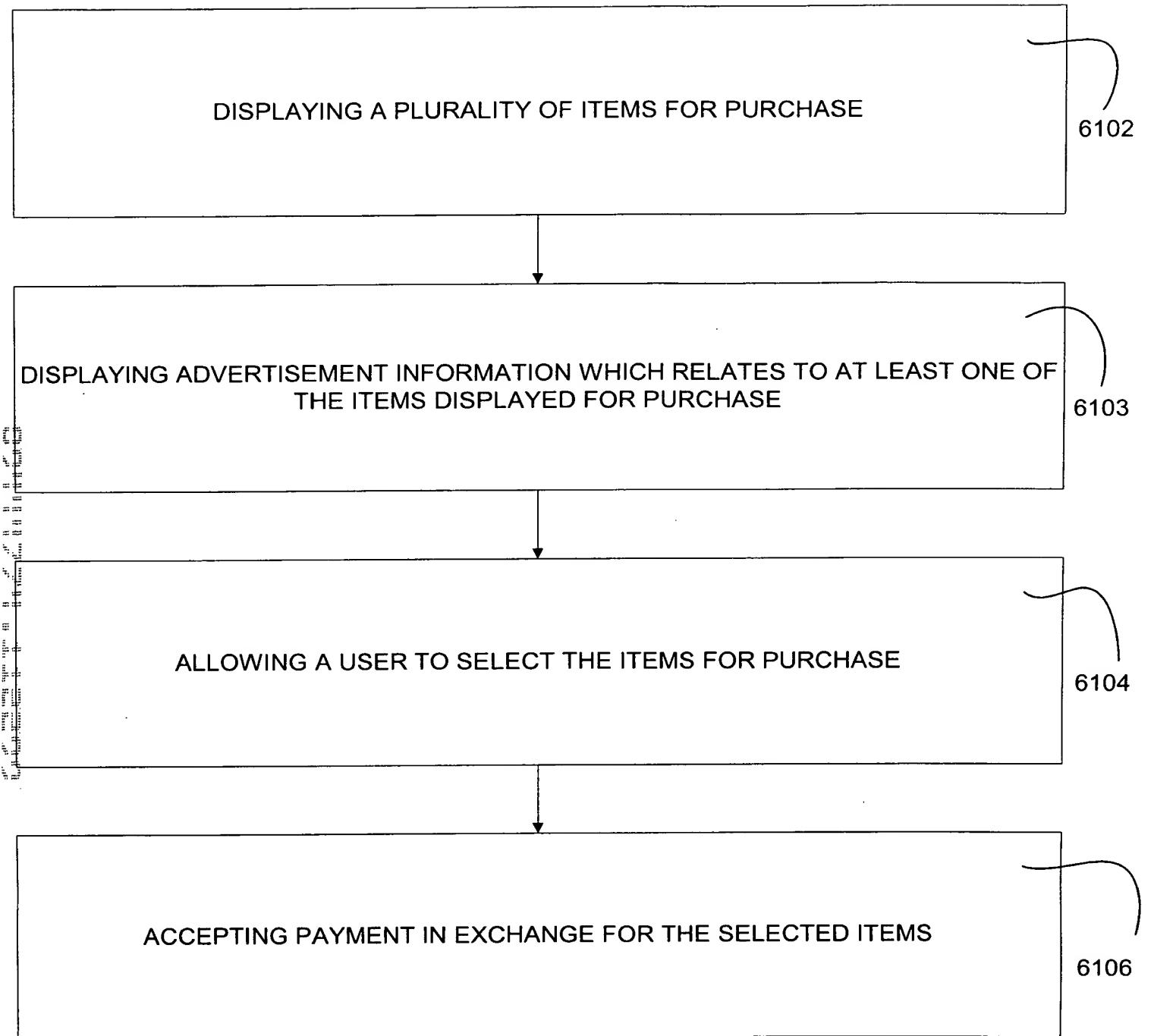


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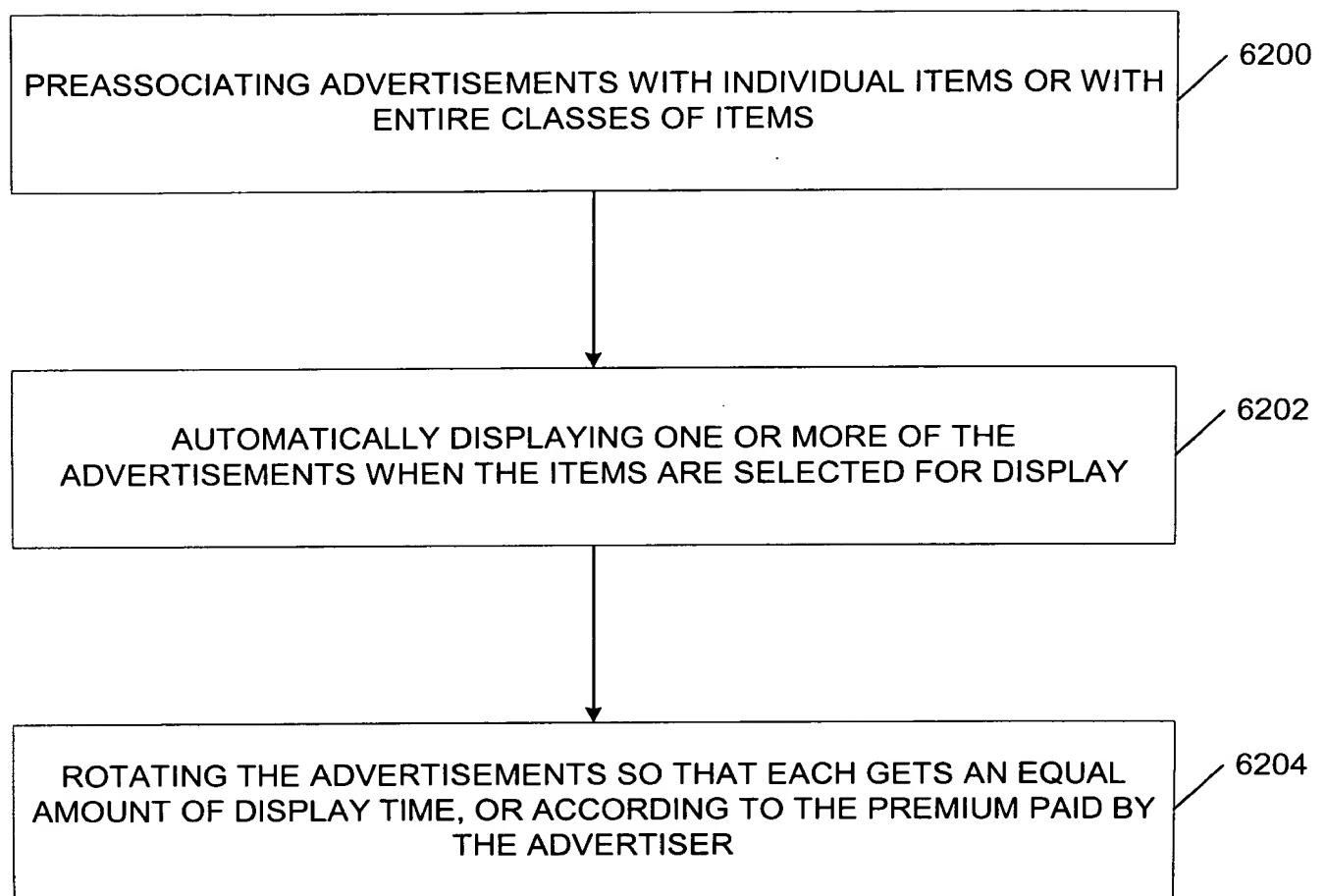


Figure 62

CREATING A USER PROFILE FROM INFORMATION ABOUT A USER

6302

SELECTING AT LEAST ONE ITEM FOR PURCHASE BASED ON THE USER PROFILE

6301

DISPLAYING THE AT LEAST ONE ITEM FOR PURCHASE

6306

ALLOWING THE USER TO SELECT THE AT LEAST ONE ITEM FOR PURCHASE

6308

ACCEPTING PAYMENT IN EXCHANGE FOR THE SELECTED ITEM

6310

Figure 63

ALLOWING A USER TO REQUEST TO UTILIZE A SOFTWARE PACKAGE

6402

PROMPTING THE USER TO ENTER USER INPUT RELATING TO THE USER

6404

RECEIVING THE USER INPUT RELATING TO THE USER

6406

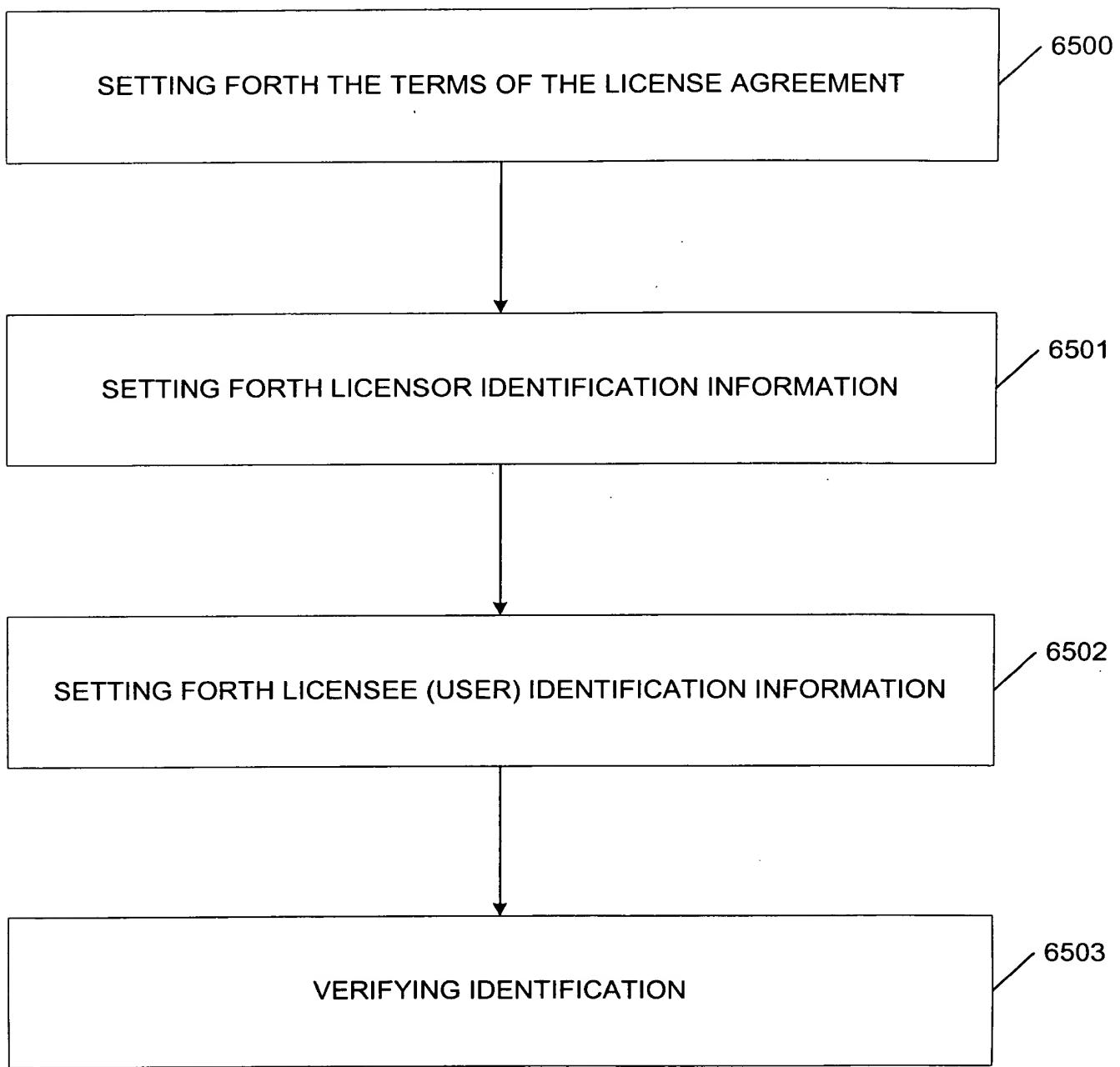
GENERATING A LICENSE AGREEMENT UTILIZING THE USER INPUT

6408

SENDING THE LICENSE AGREEMENT TO THE USER

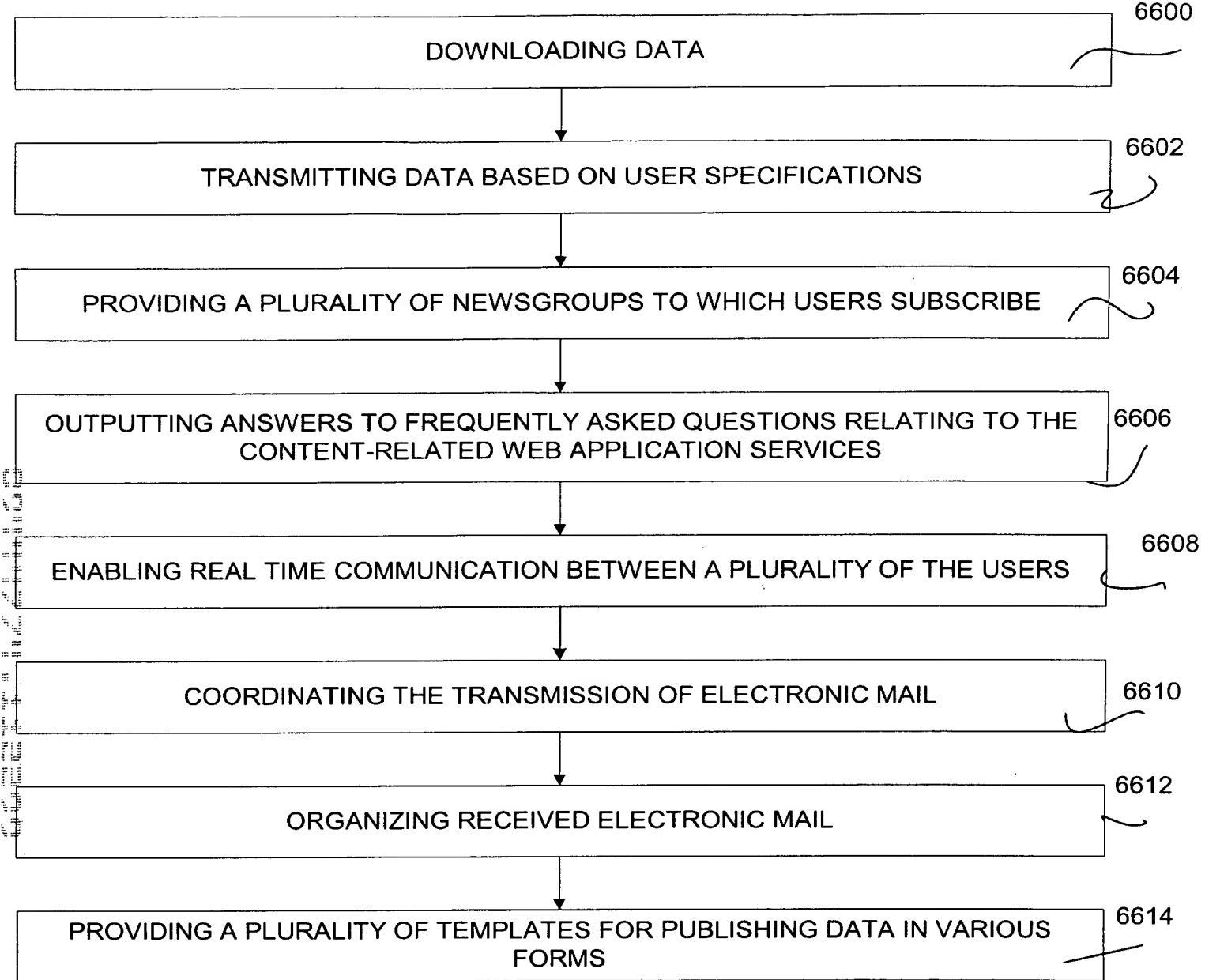
6410

Figure 64



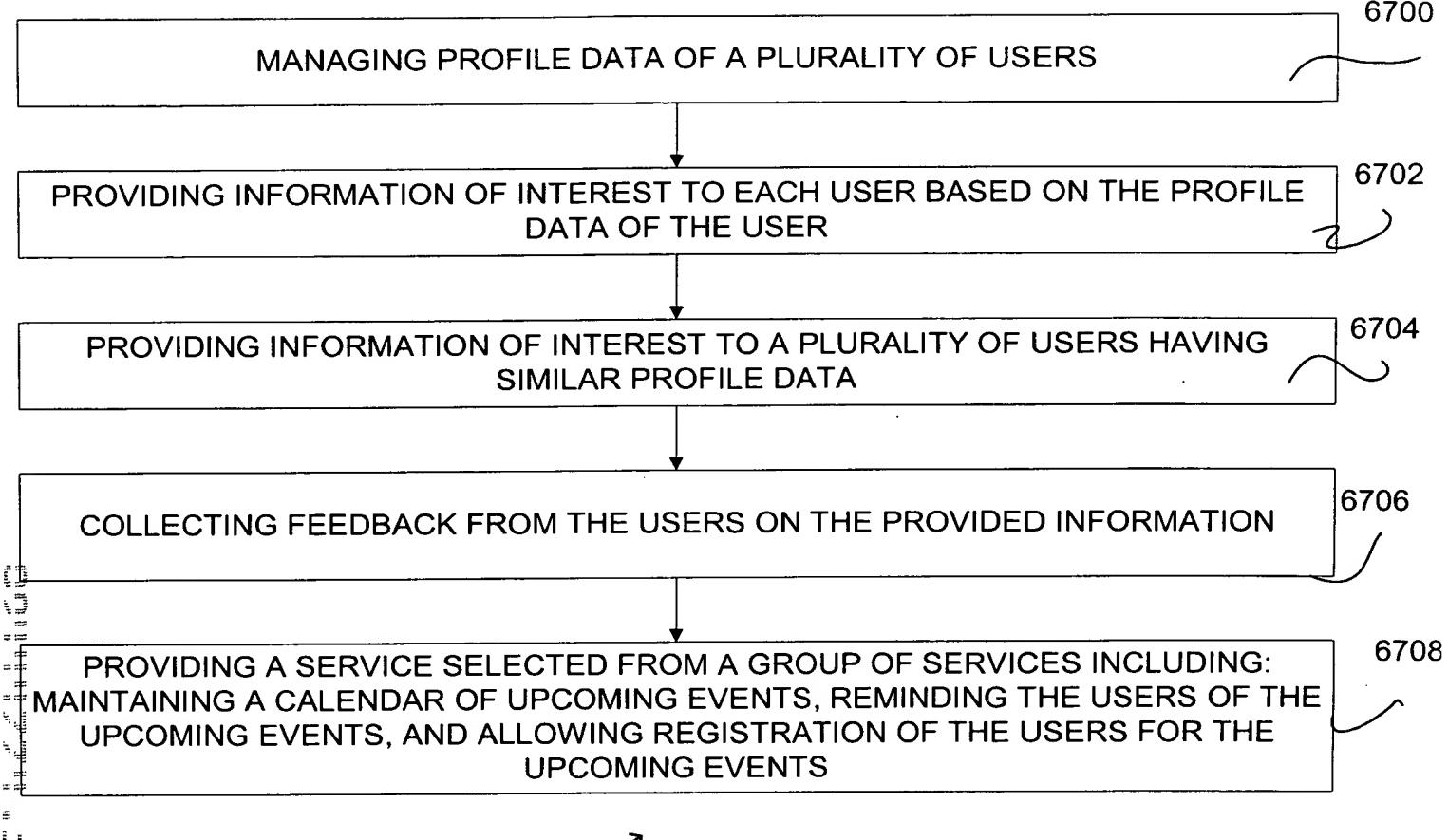
6408

Figure 65



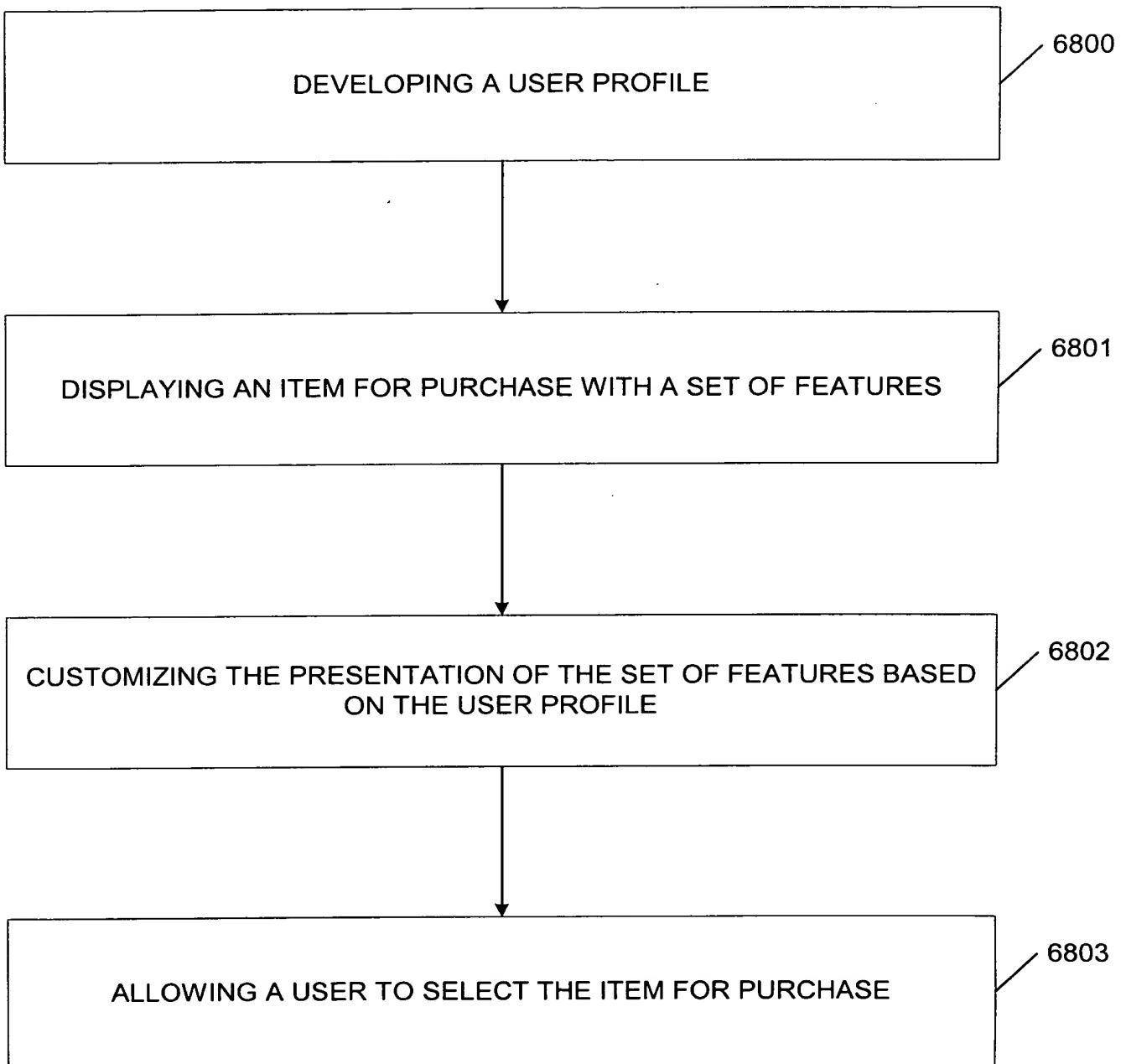
5302

Figure 66



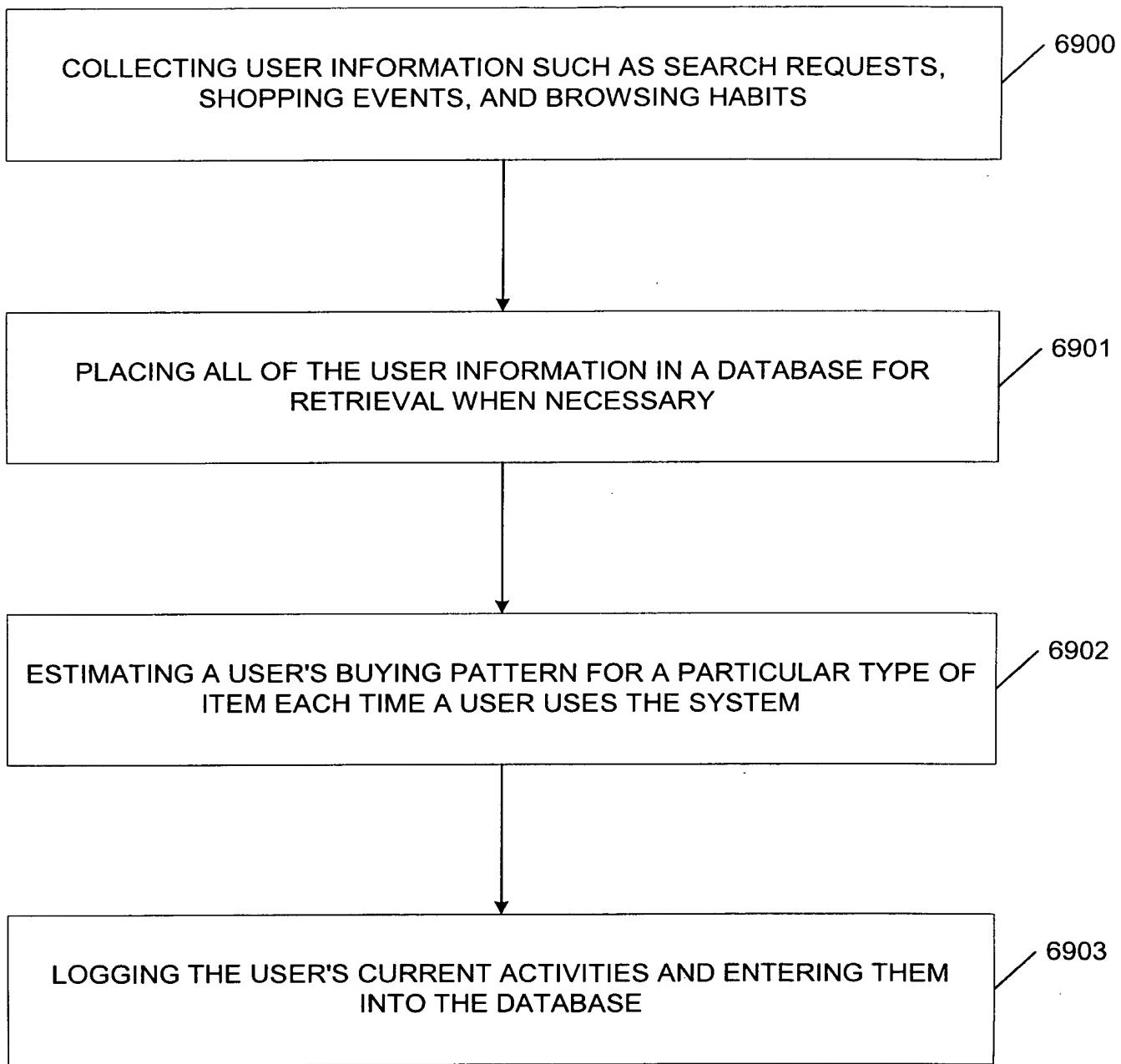
5306

Figure 67



6700

Figure 68



6810

Figure 69

DEVELOPING CONTENT OF A DATA INTERFACE FOR ACCESSING DATA ON A NETWORK

7000

MANAGING THE CONTENT OF THE DATA INTERFACE

7002

APPROVING THE PUBLICATION OF THE CONTENT BEFORE TRANSMISSION OF THE CONTENT

7004

TESTING THE CONTENT OF THE DATA INTERFACE

7006

5308

Figure 70

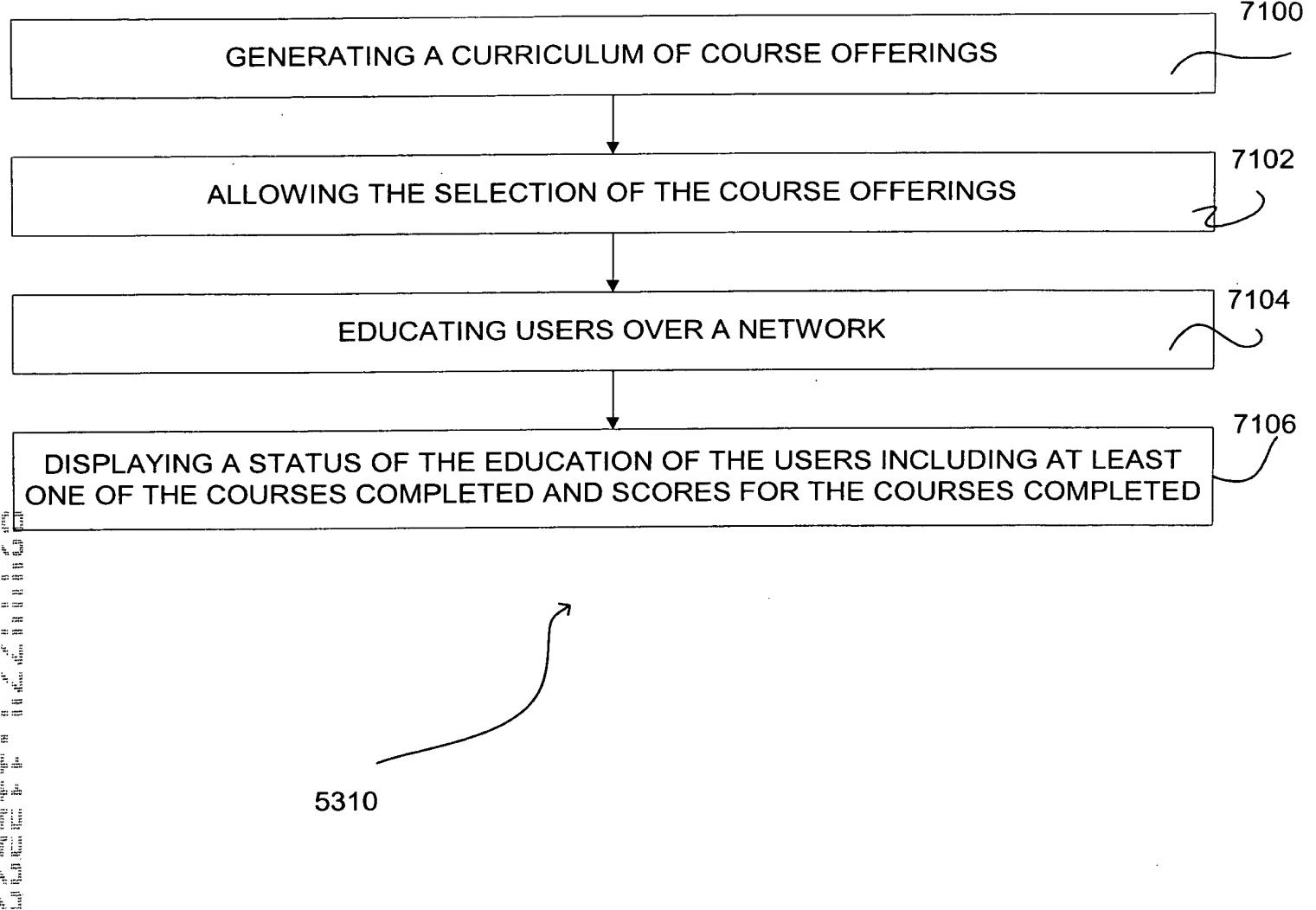


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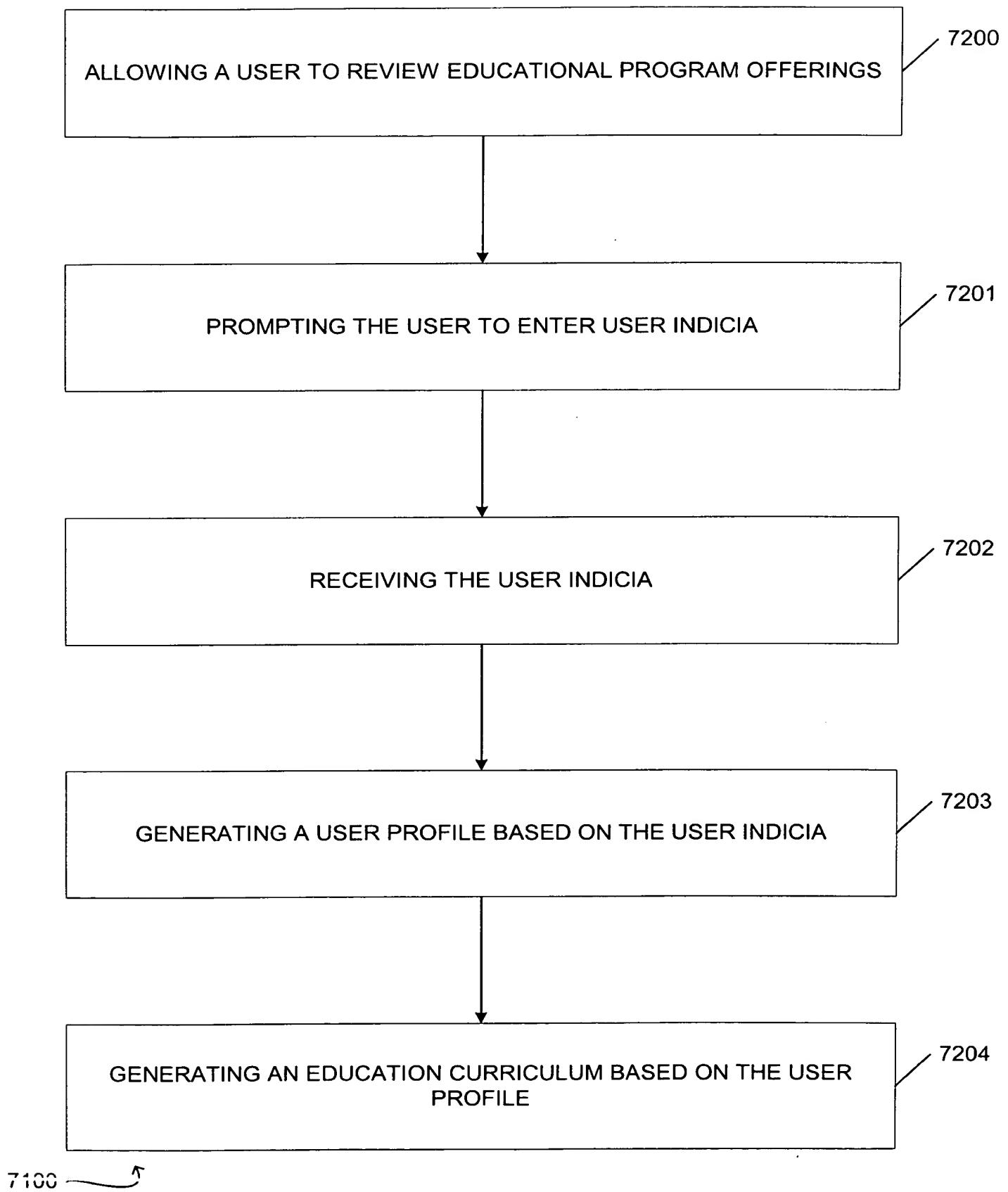


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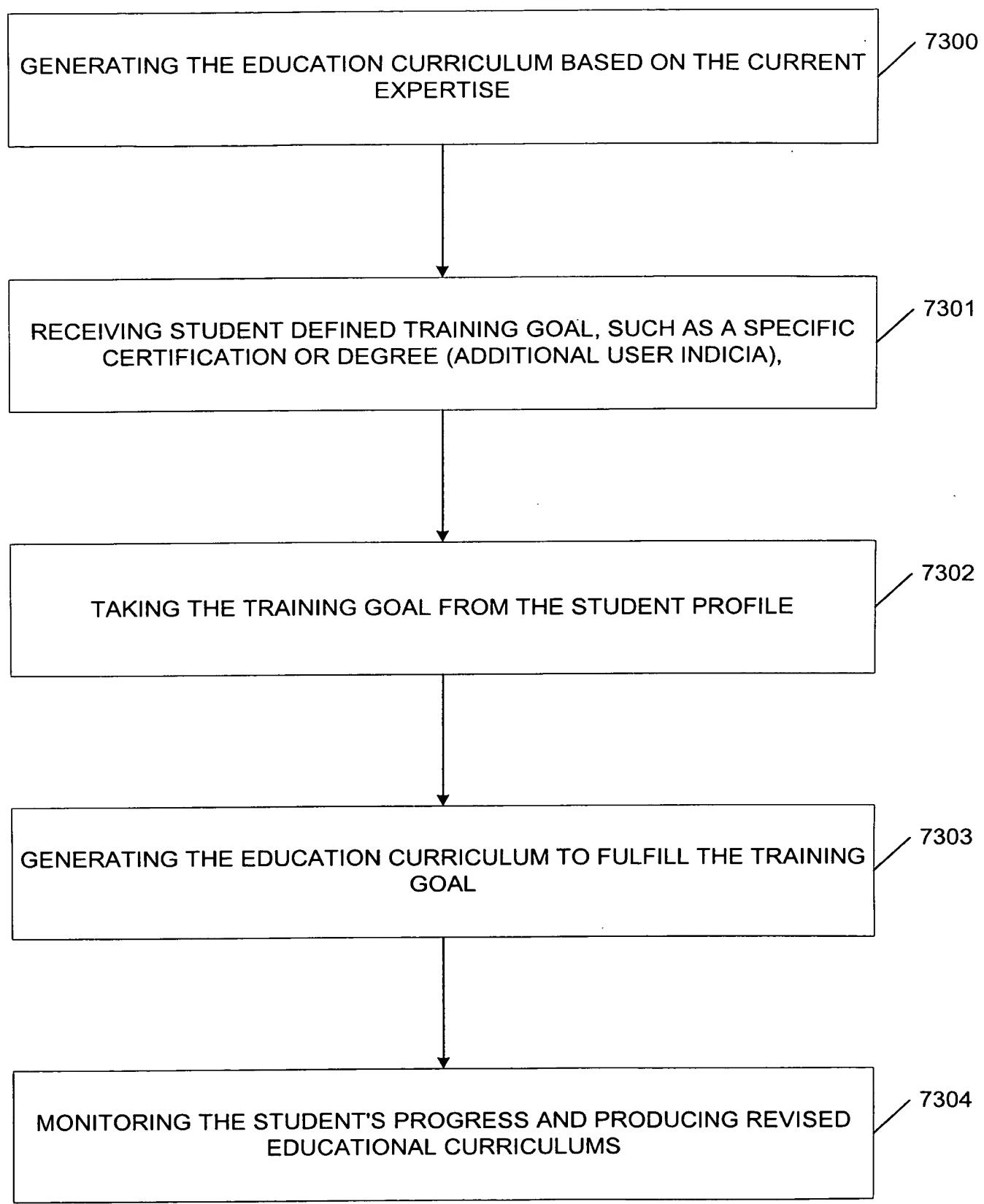


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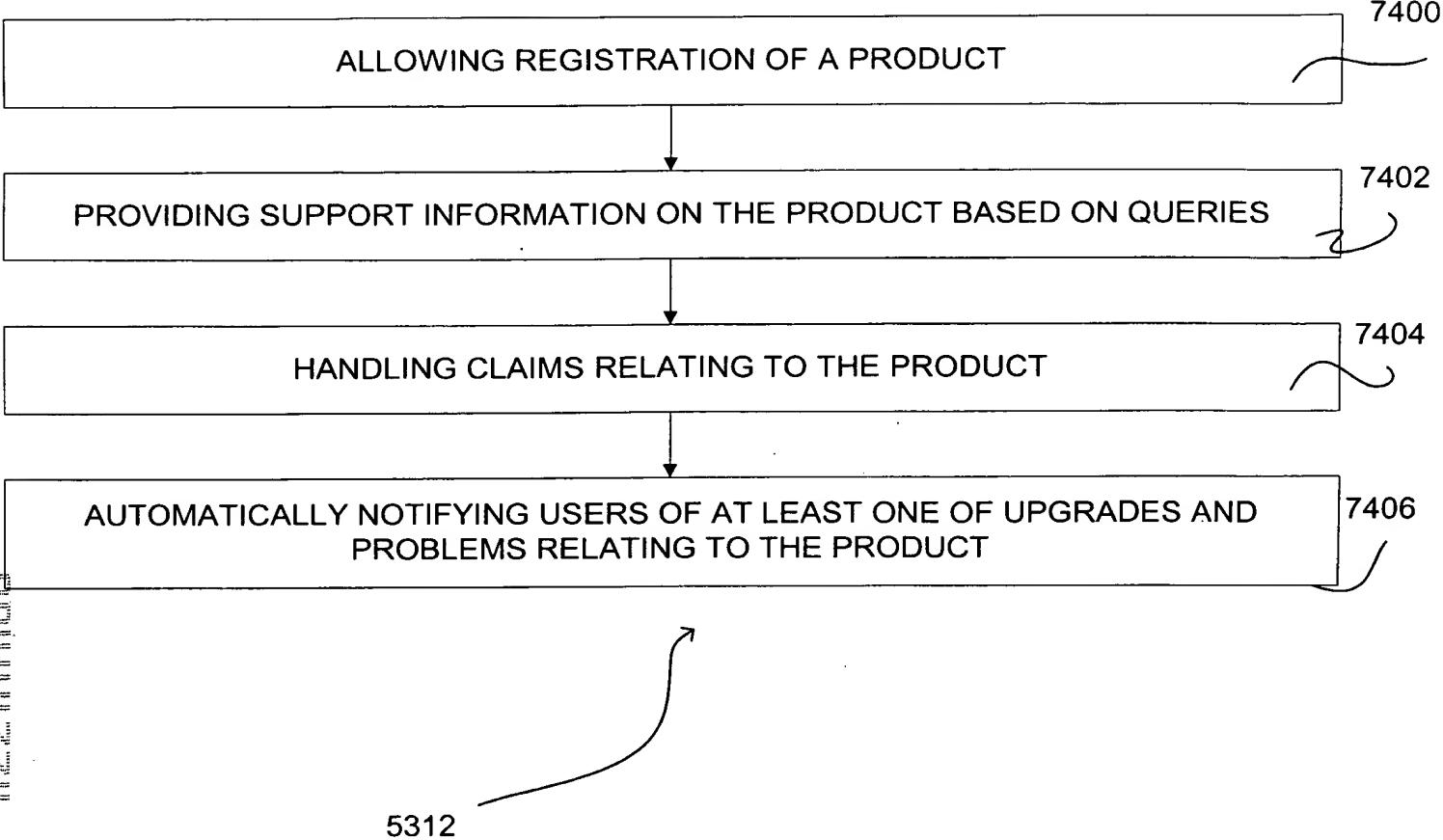
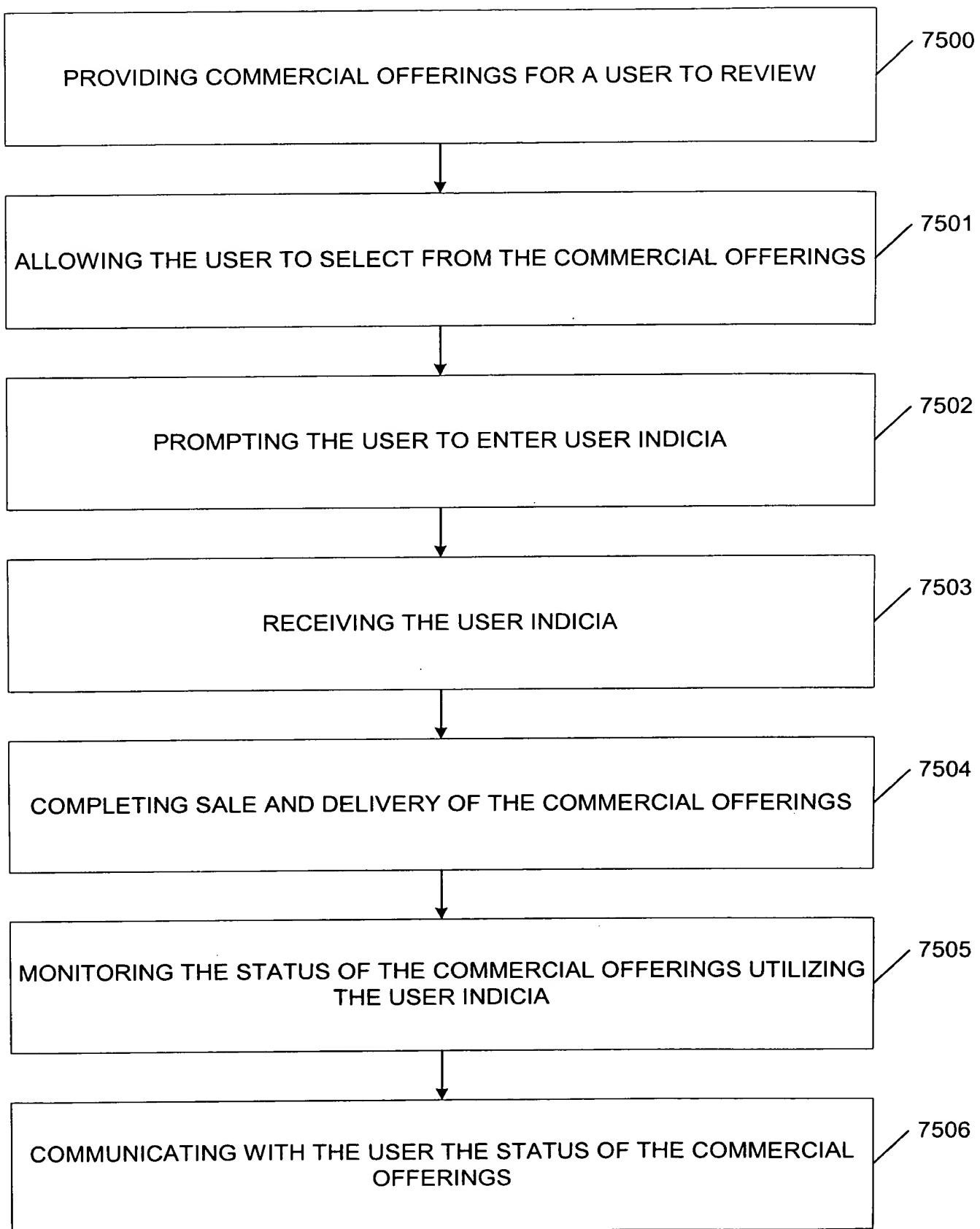


Figure 74



7400 ↗

Figure 75

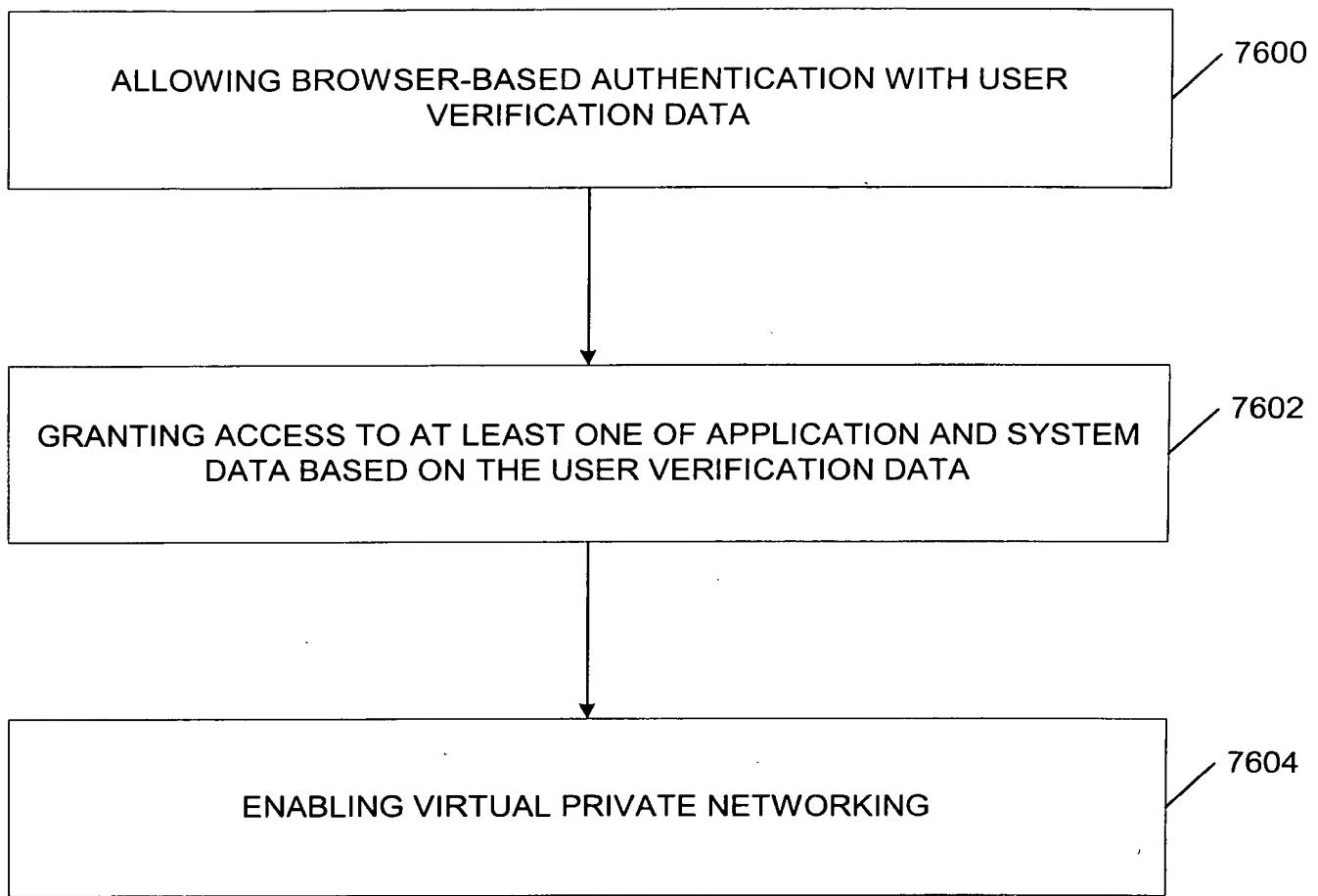


Figure 76

5314

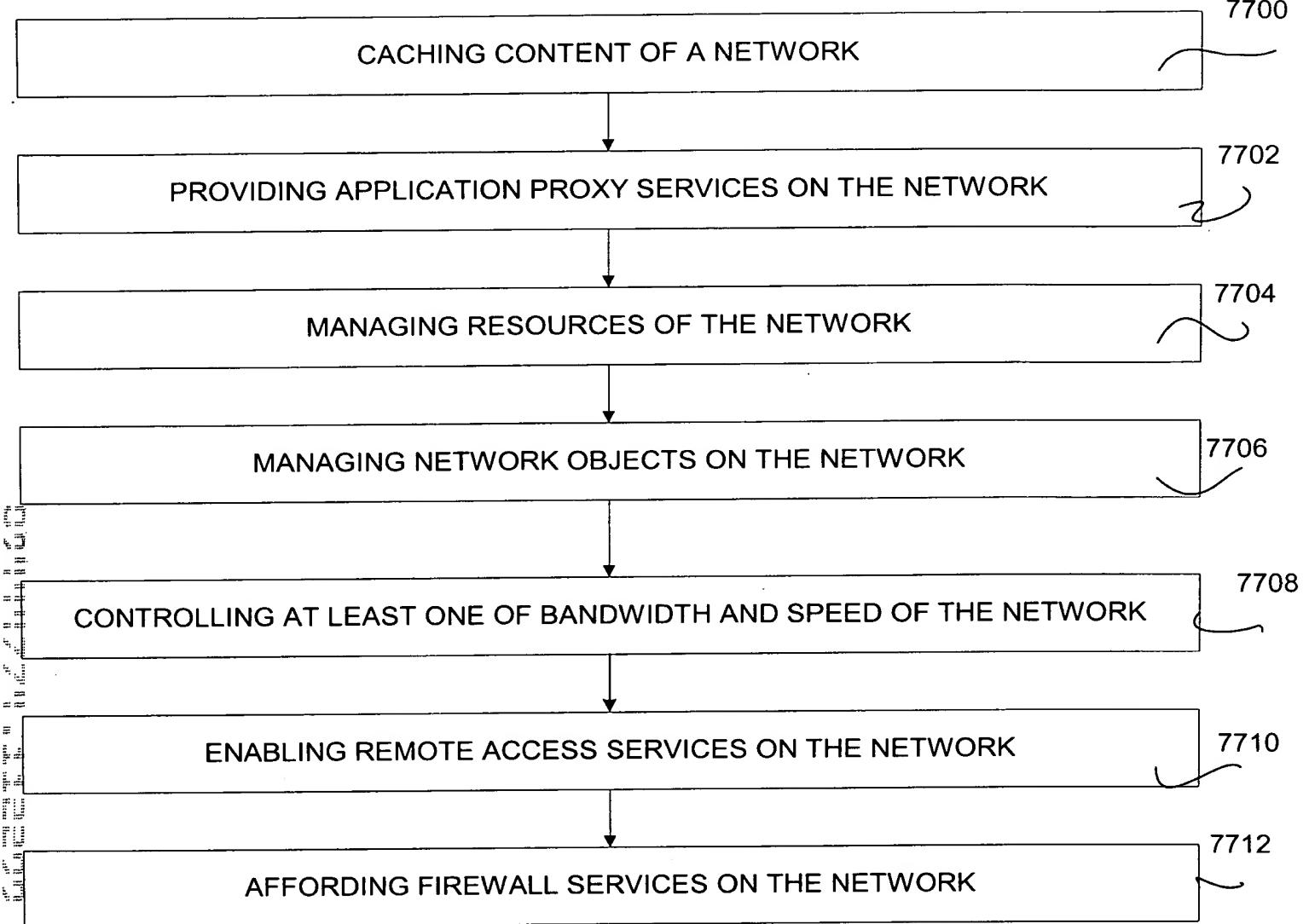


Figure 77

5316

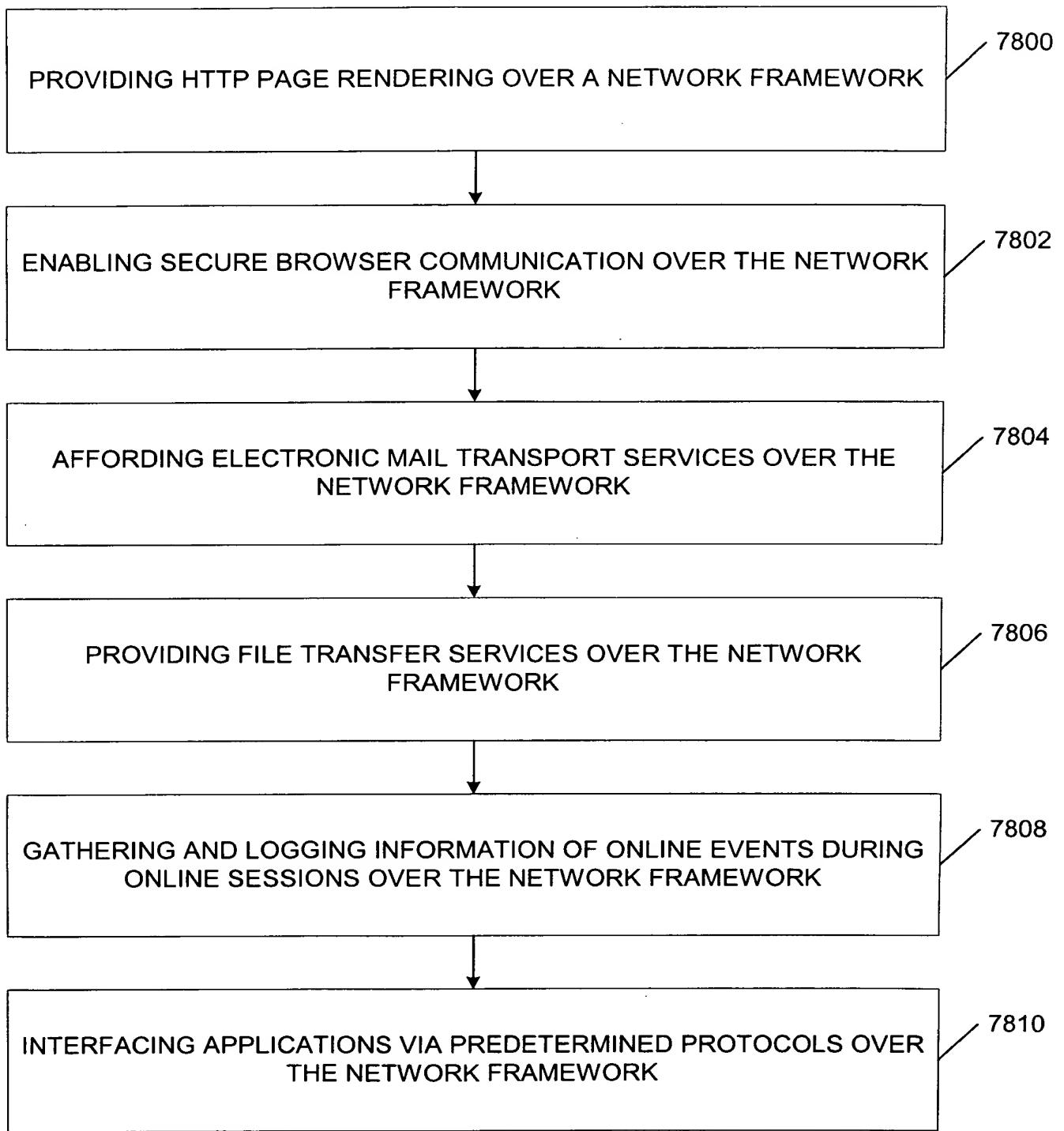
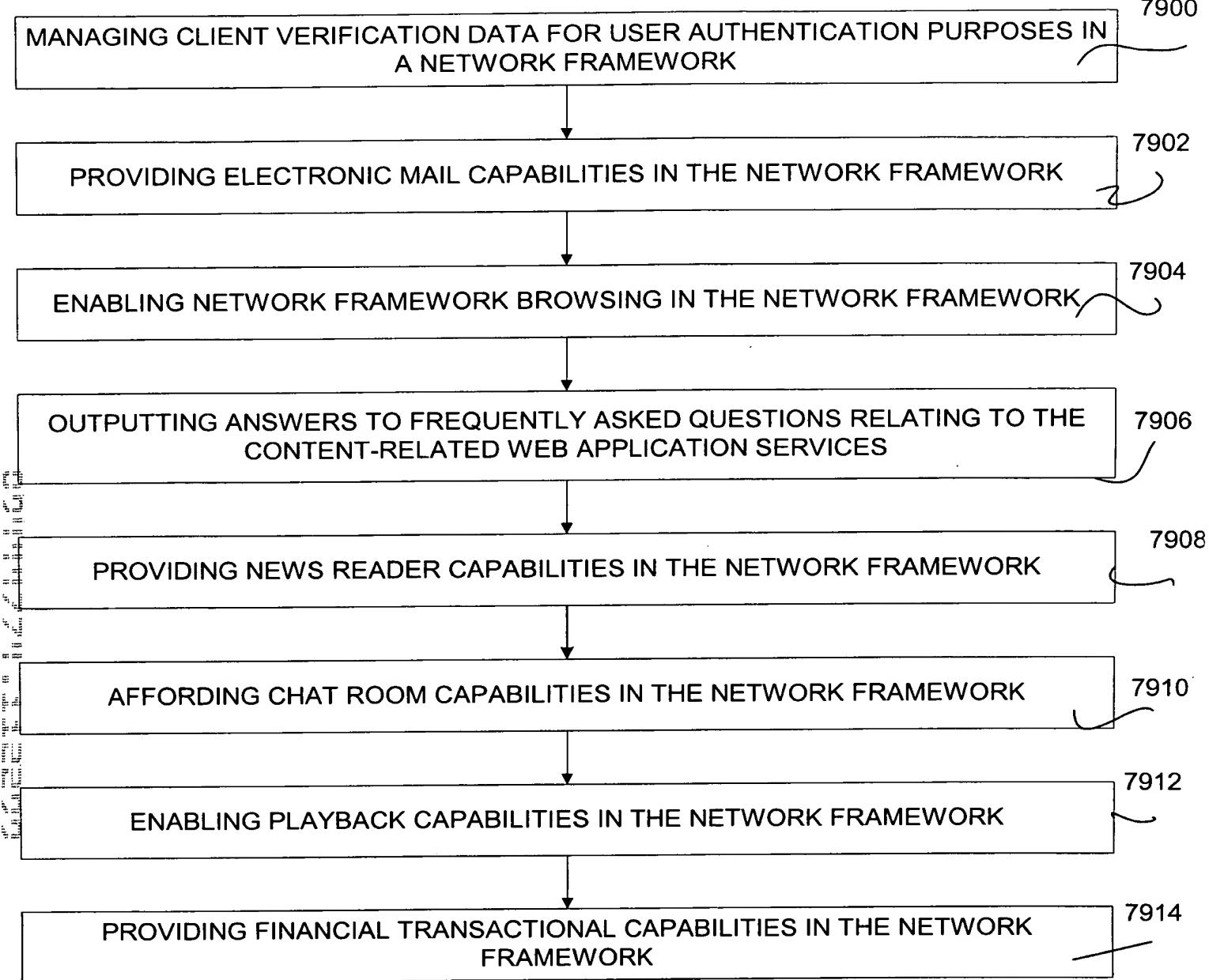


Figure 78

5318



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Figure 79

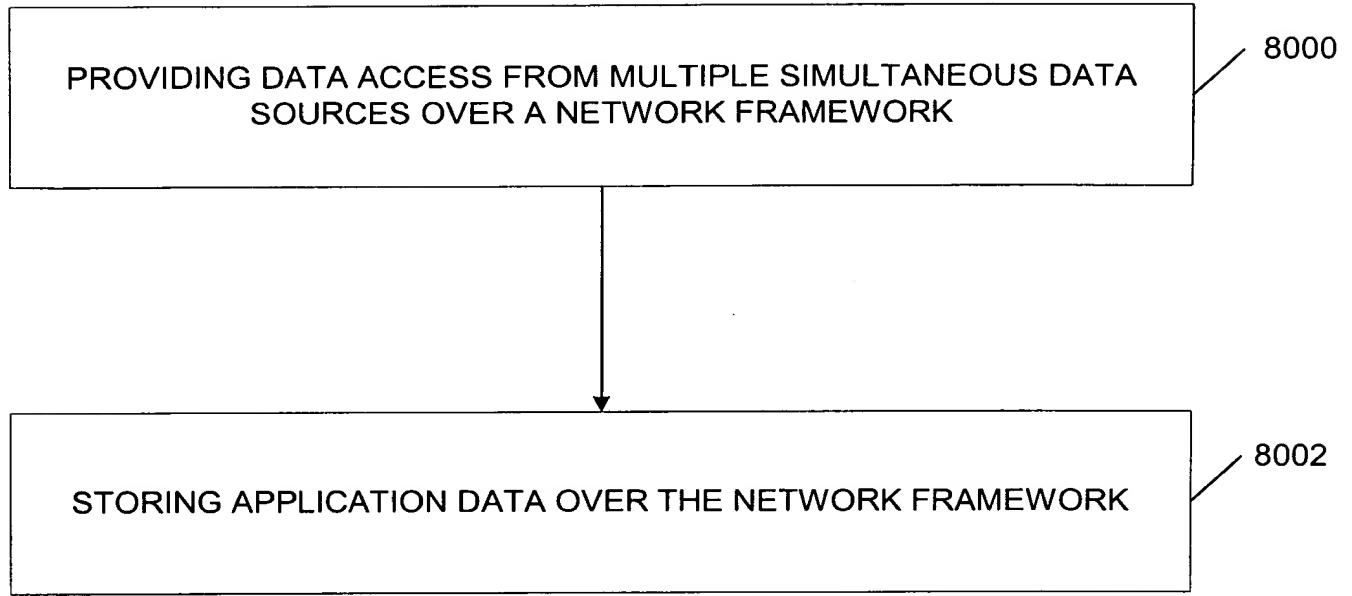
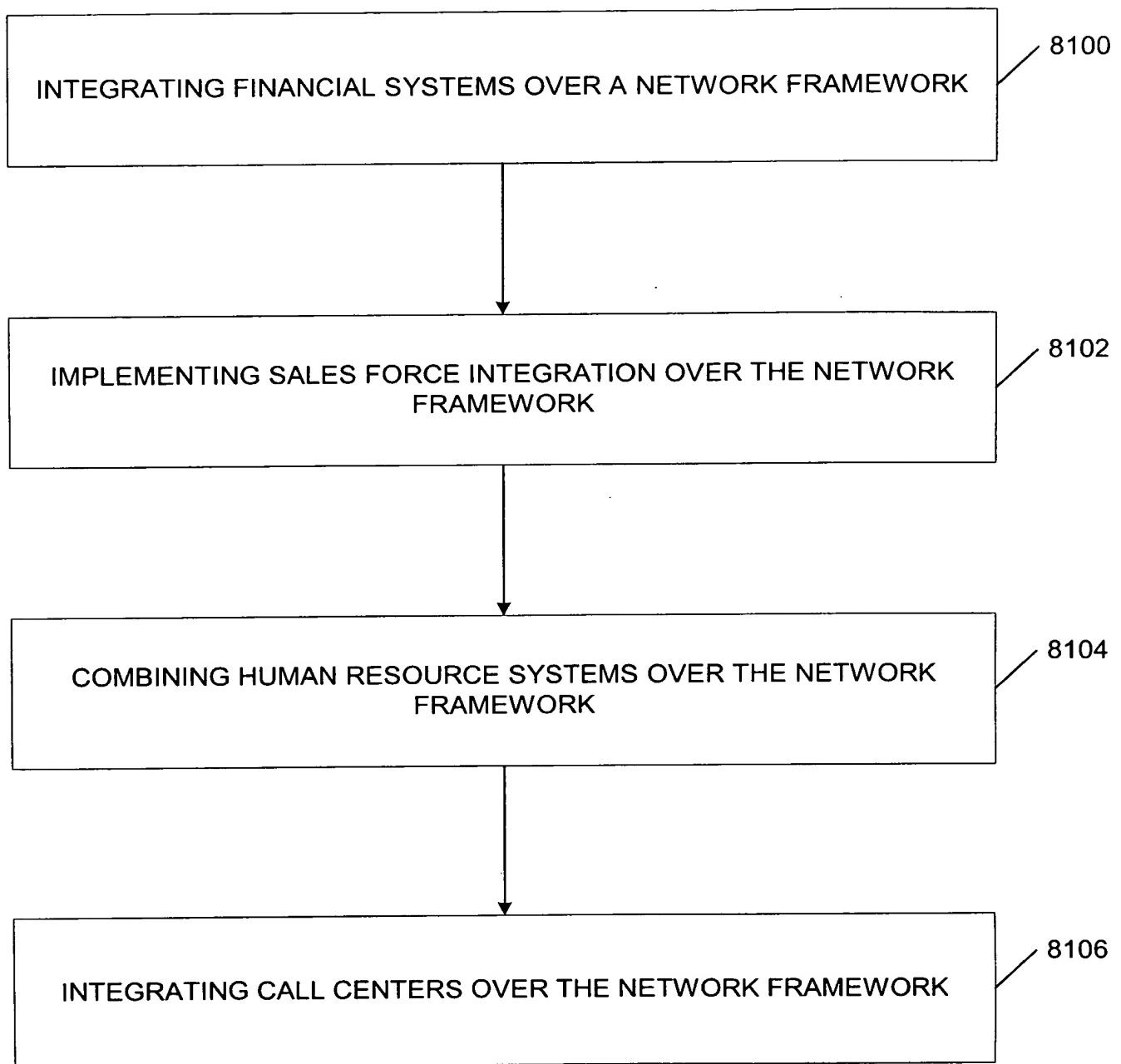


Figure 80



5812

Figure 81

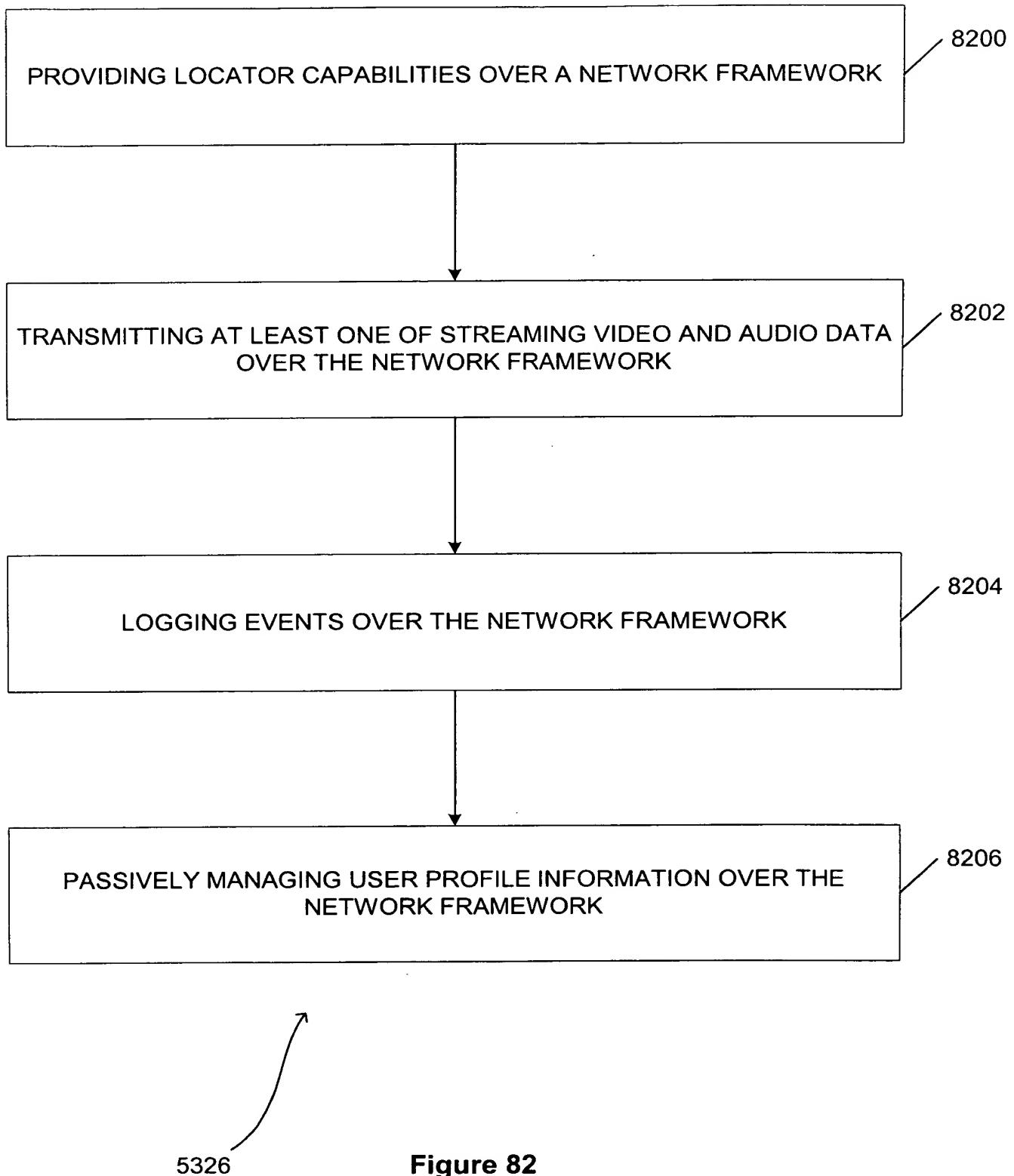
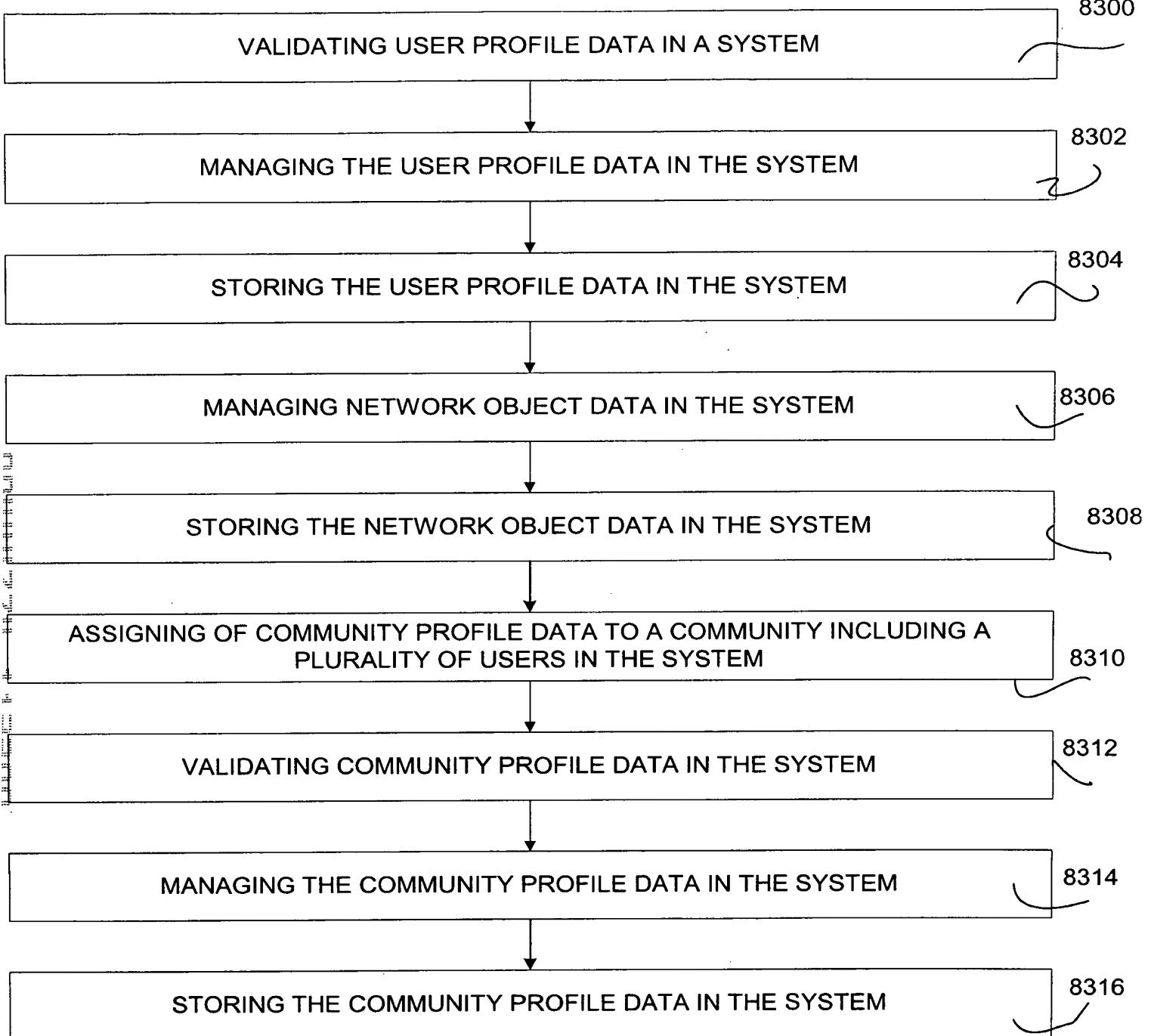
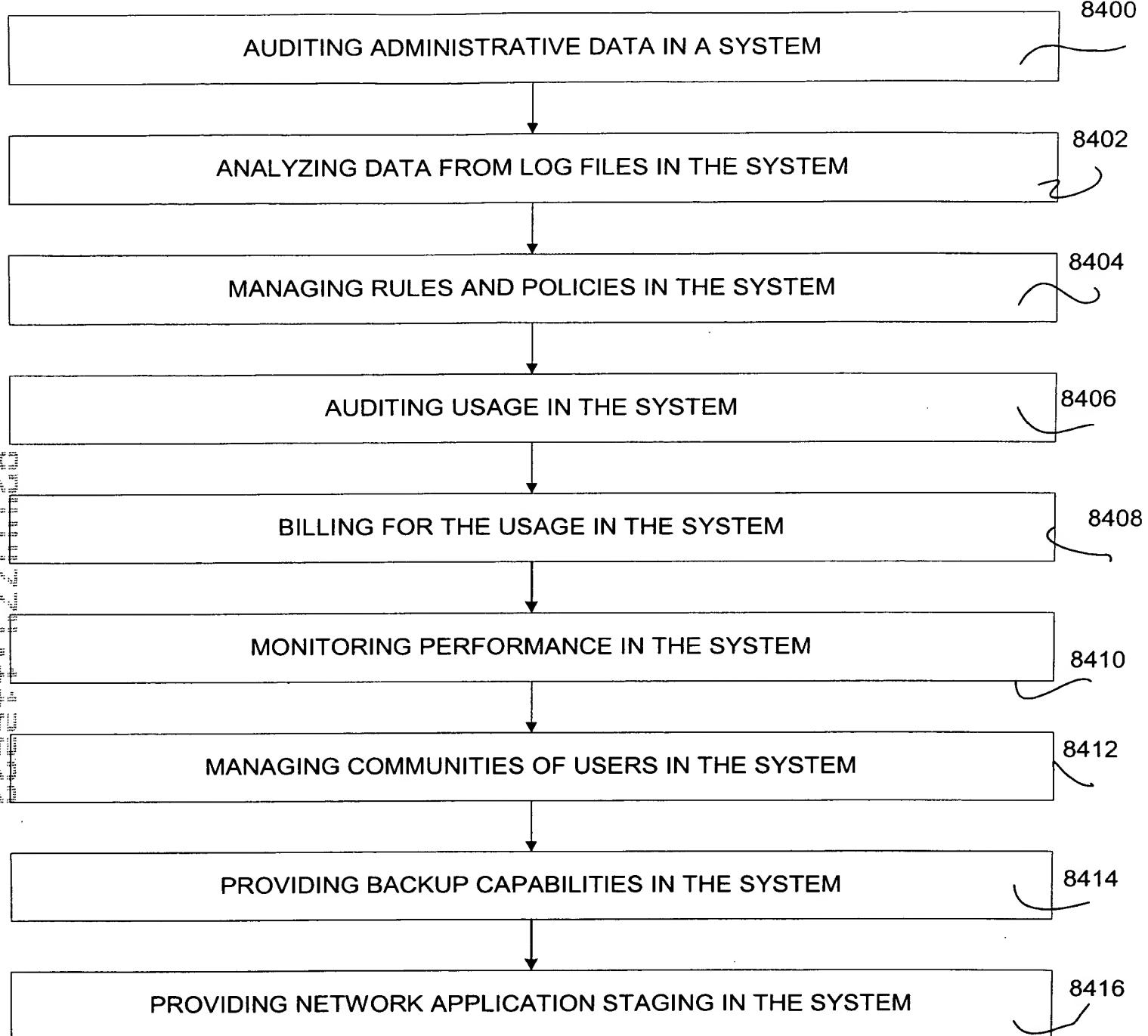


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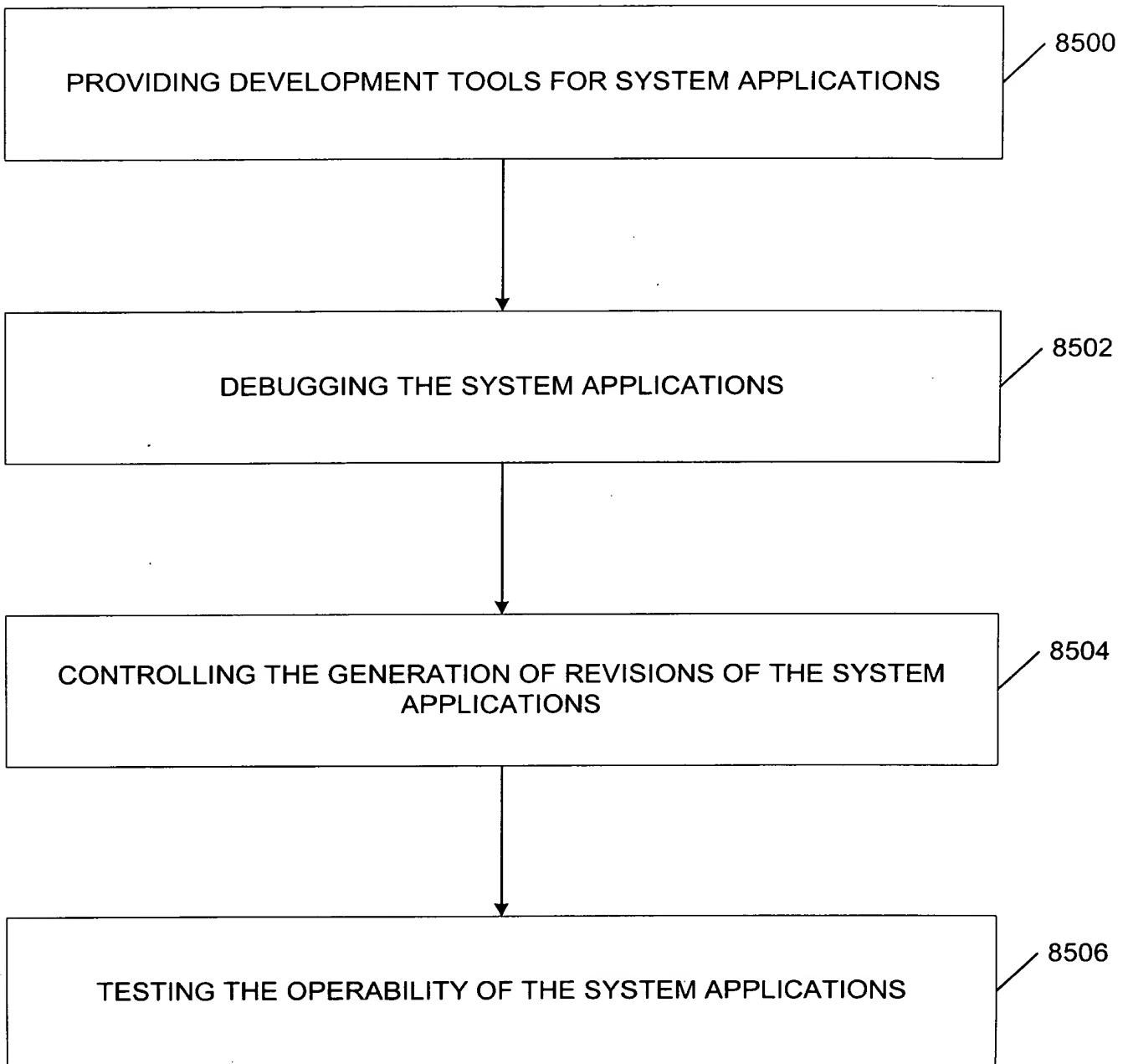
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Figure 83



5330

Figure 84



5332

Figure 85

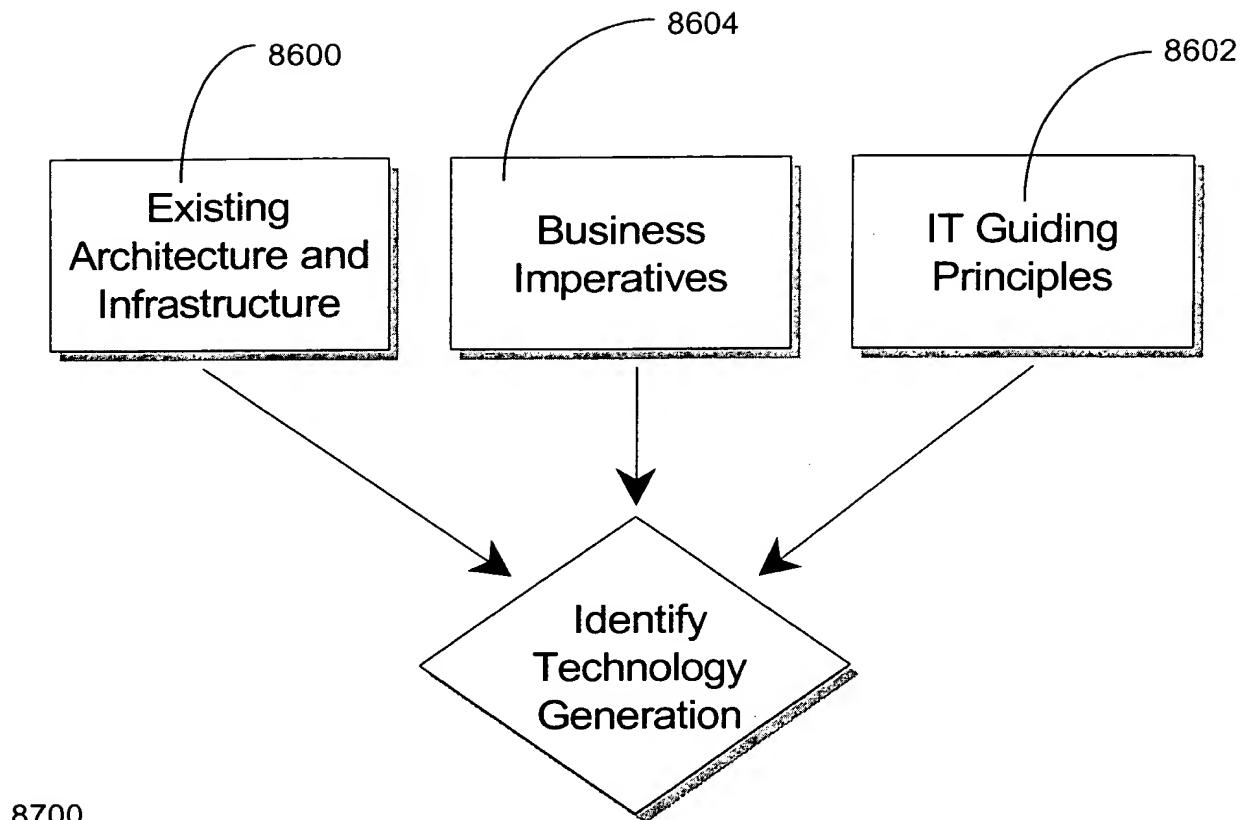


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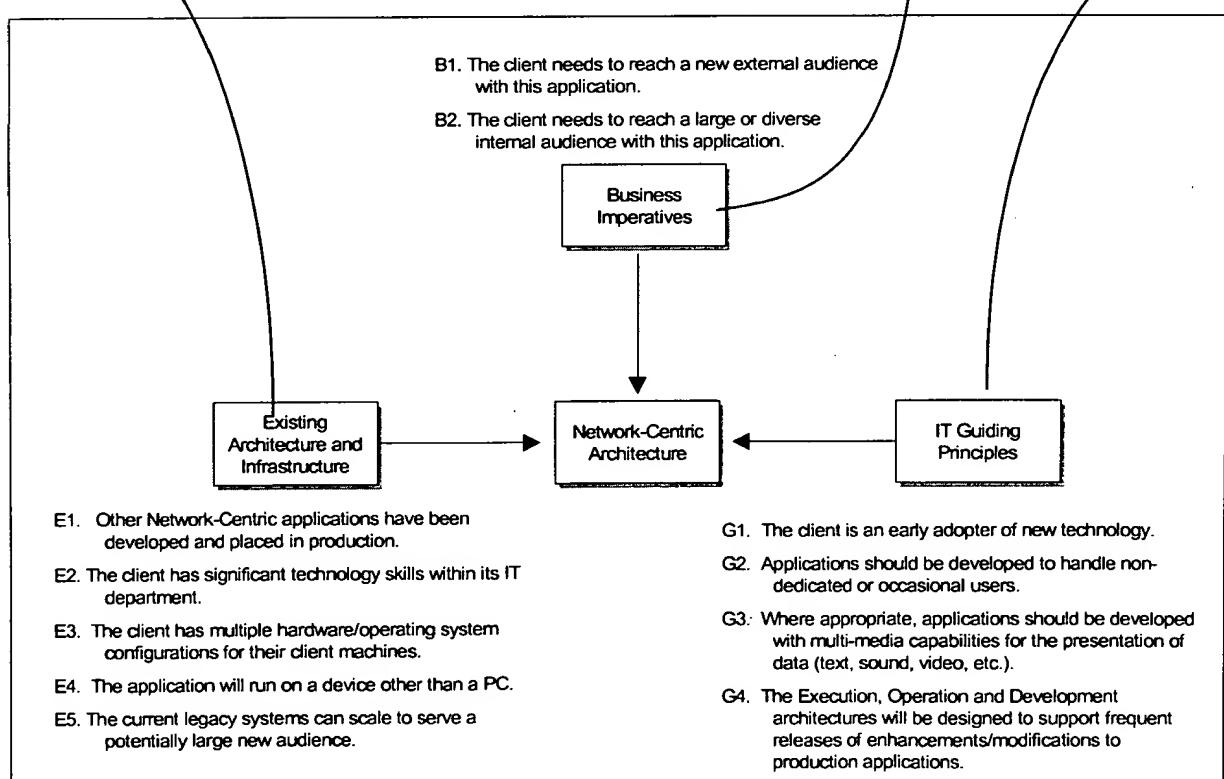


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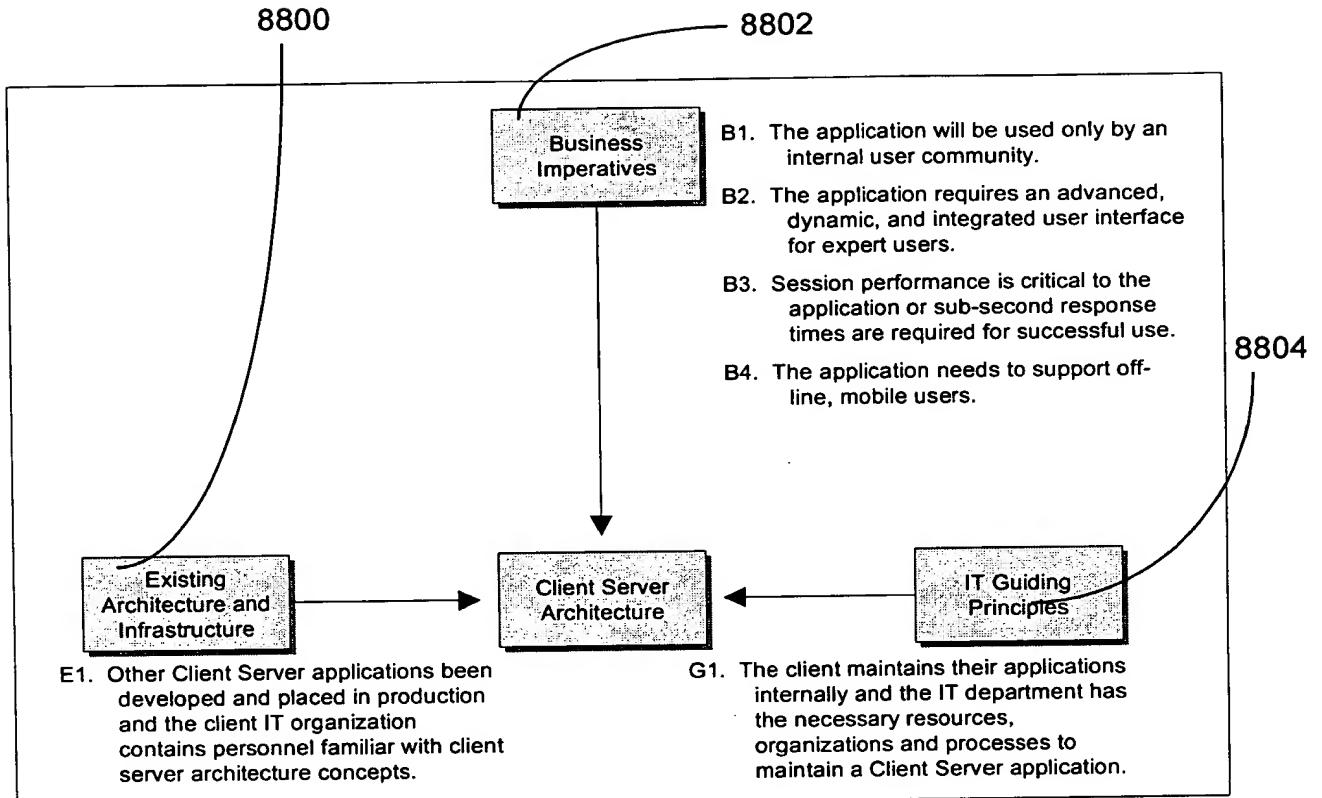


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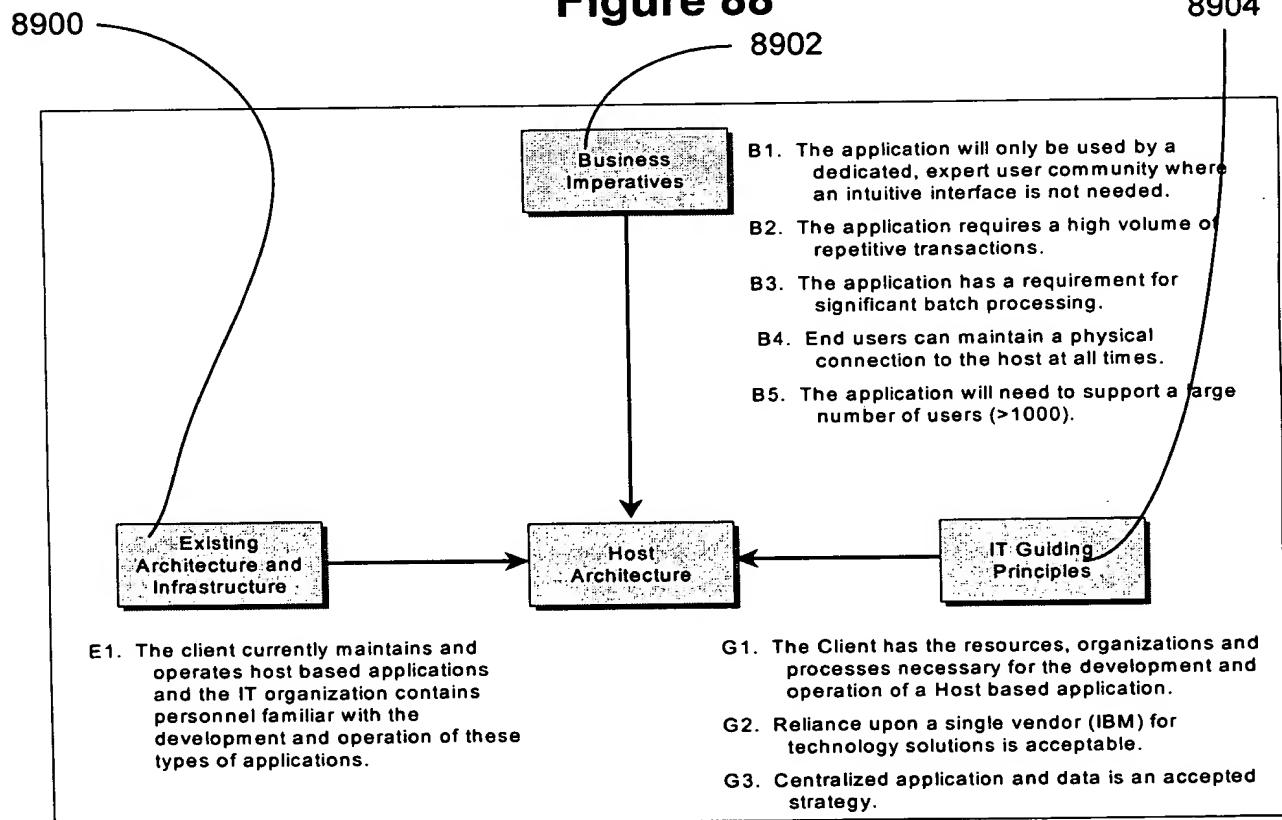


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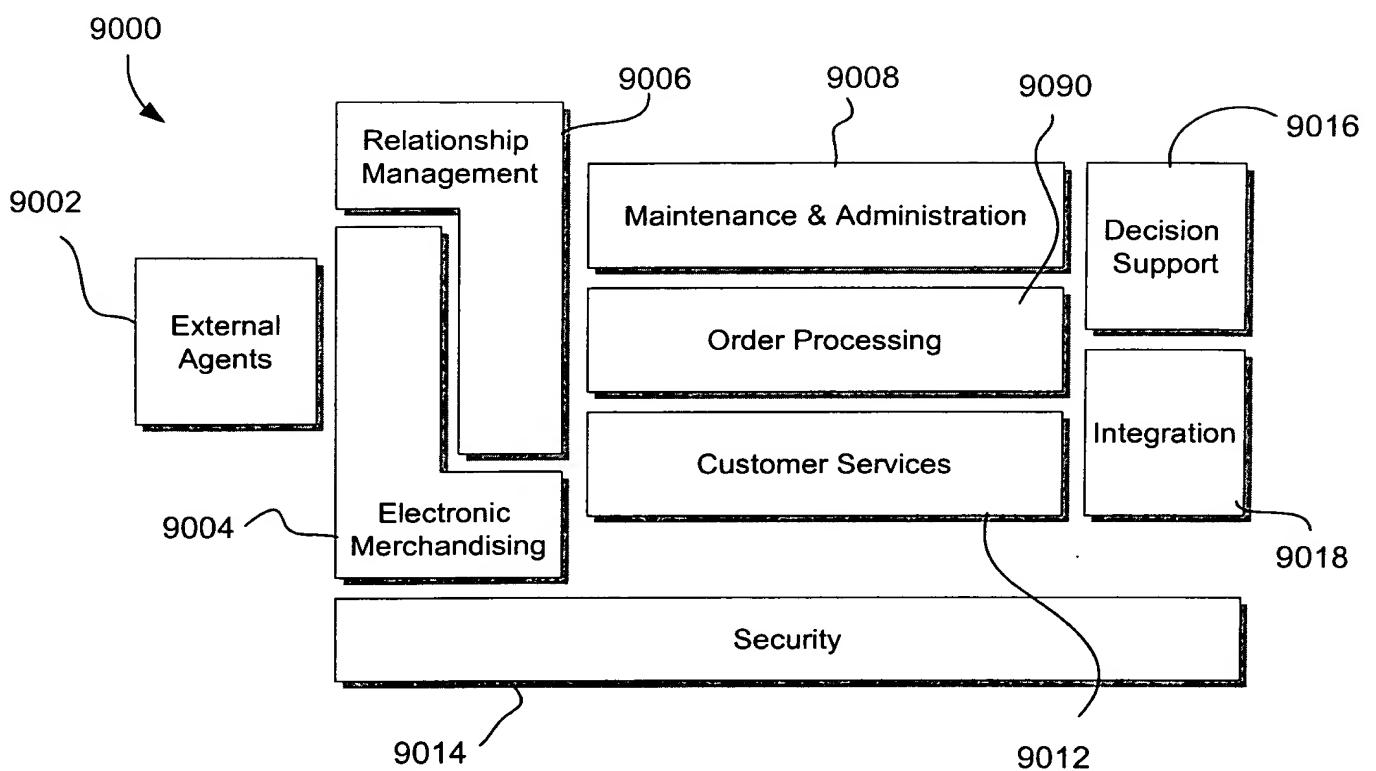


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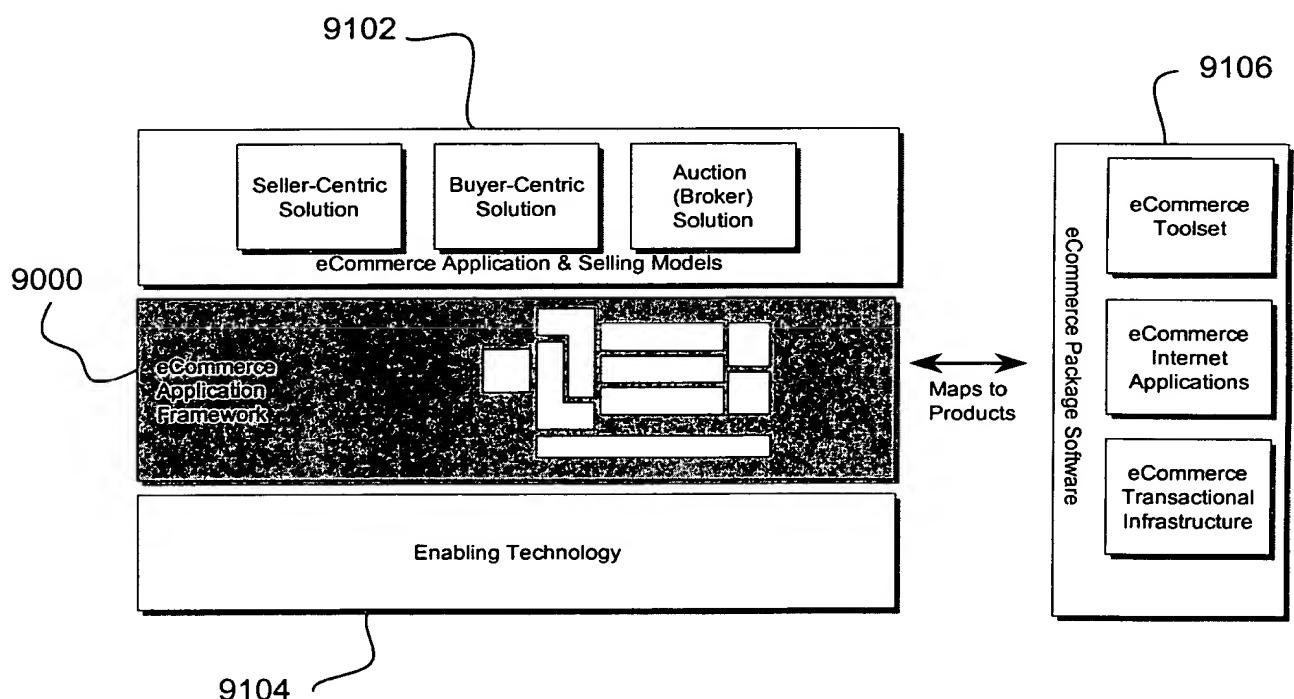


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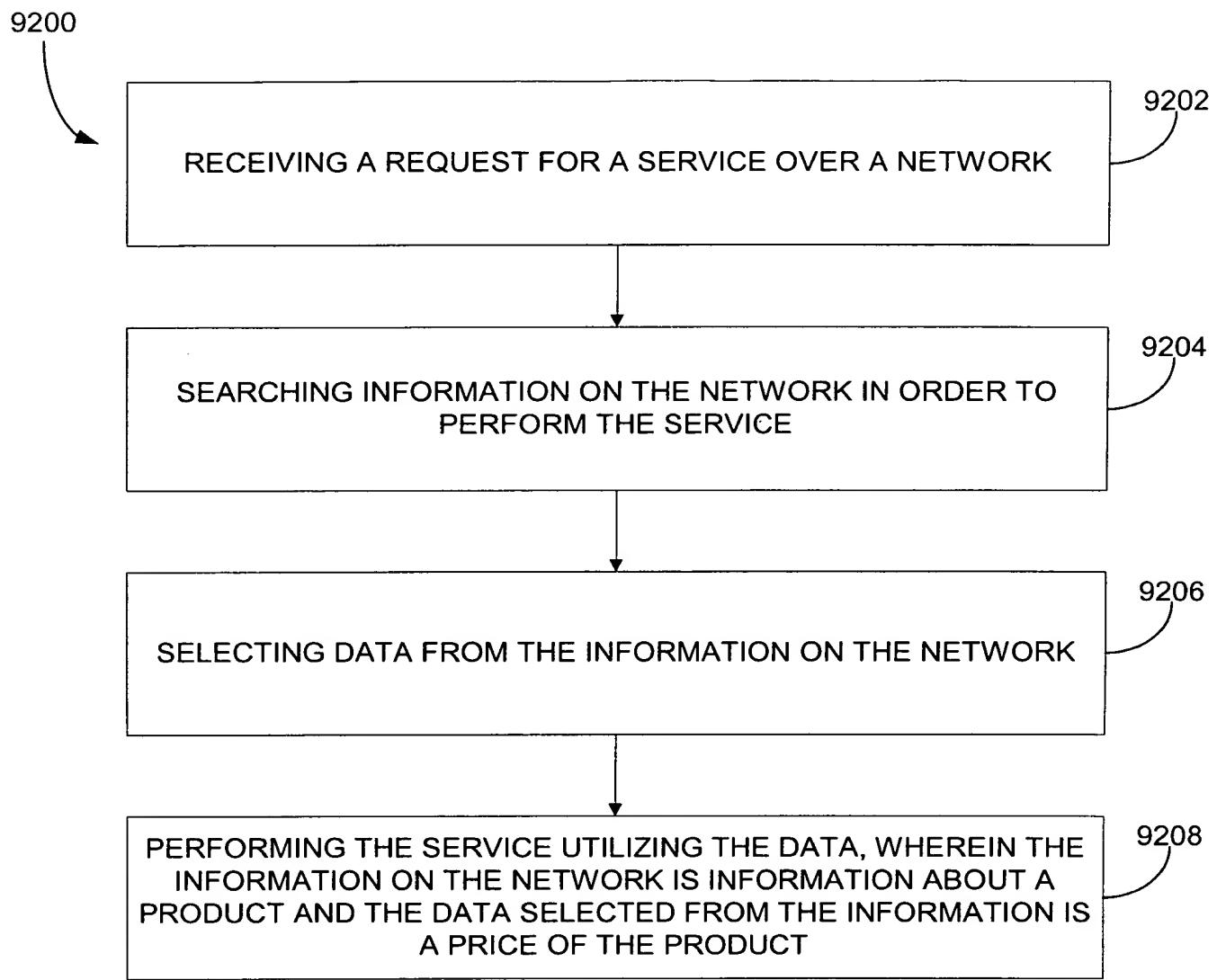


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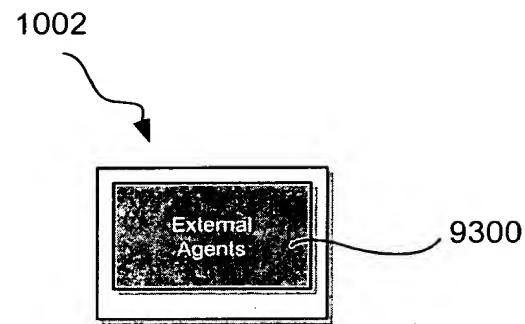


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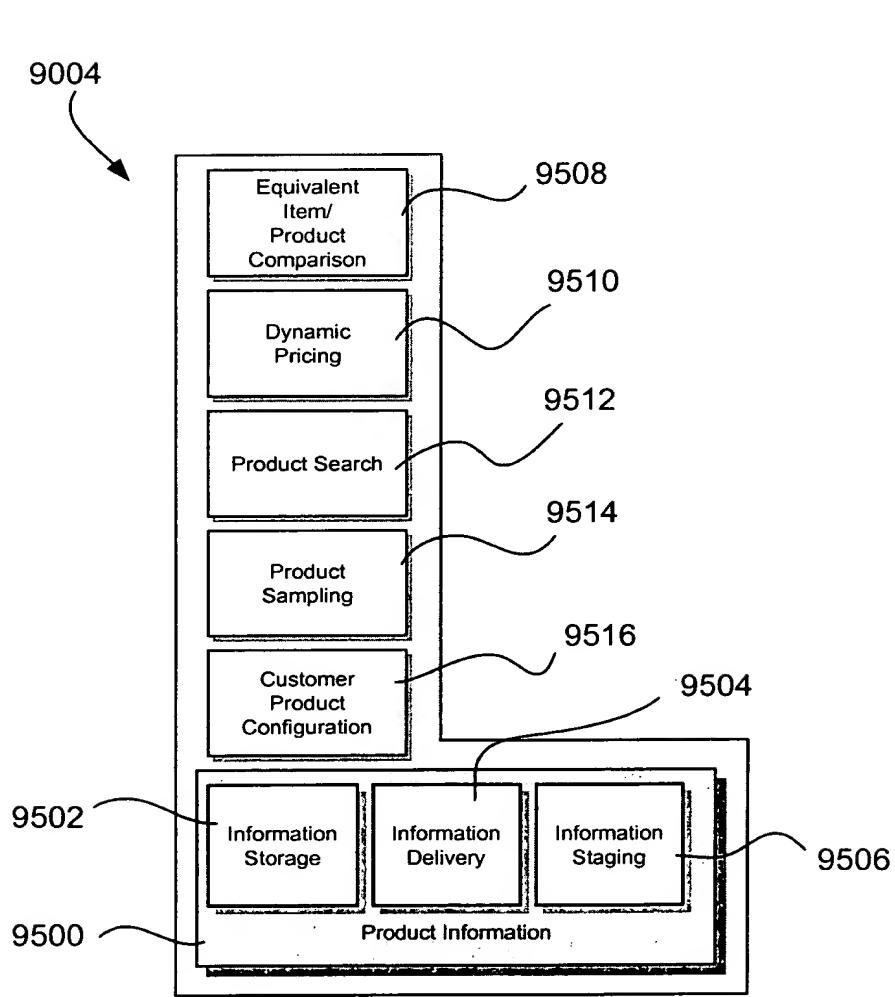


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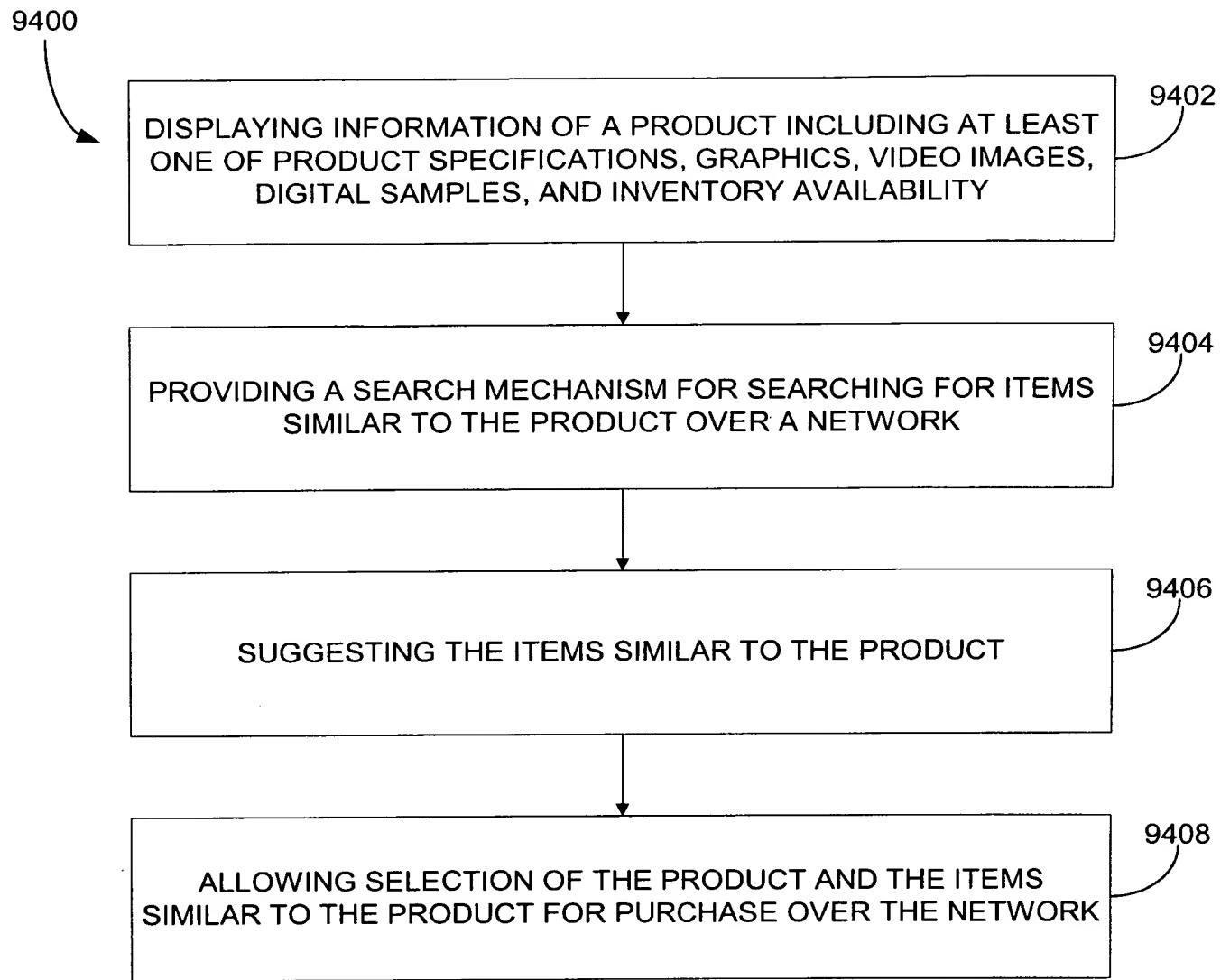


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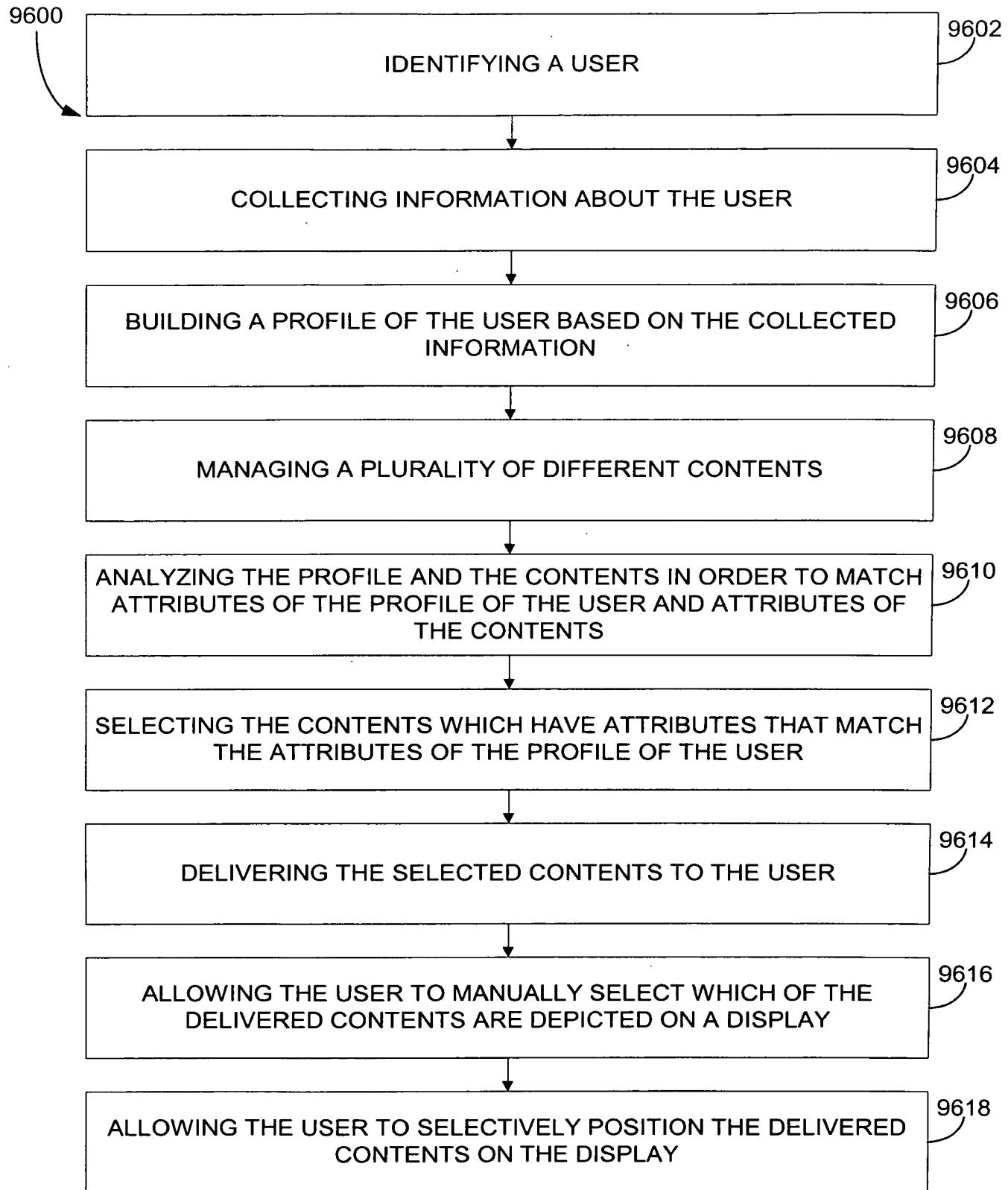


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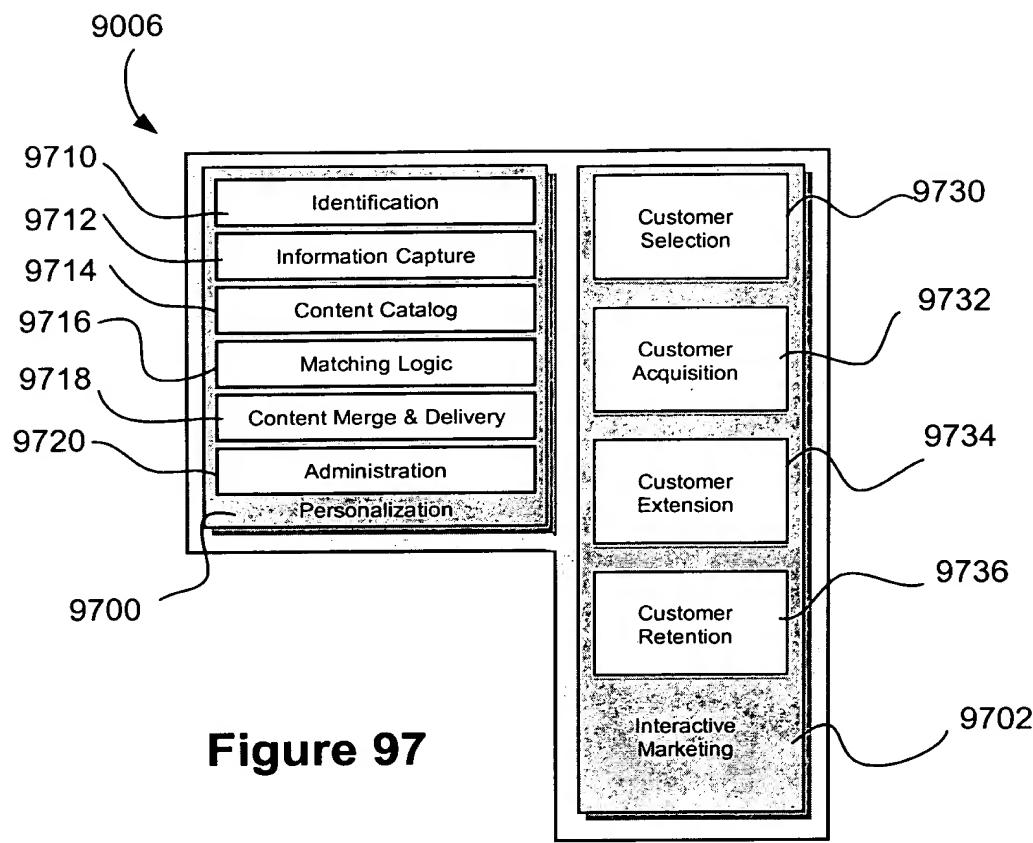


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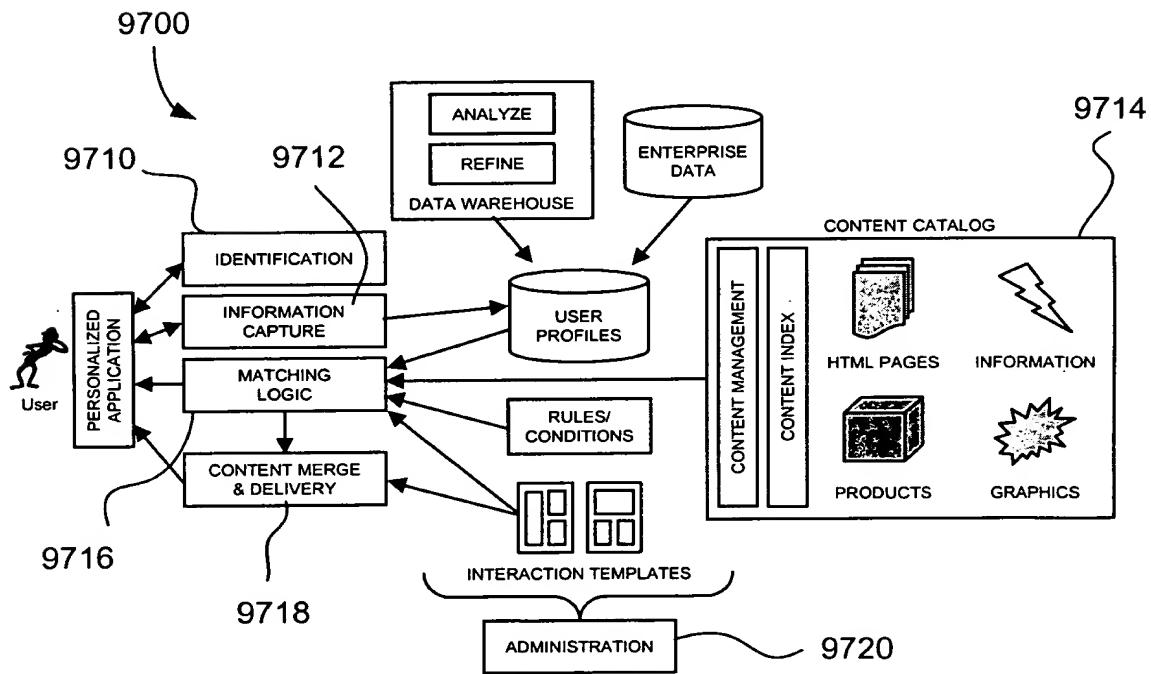


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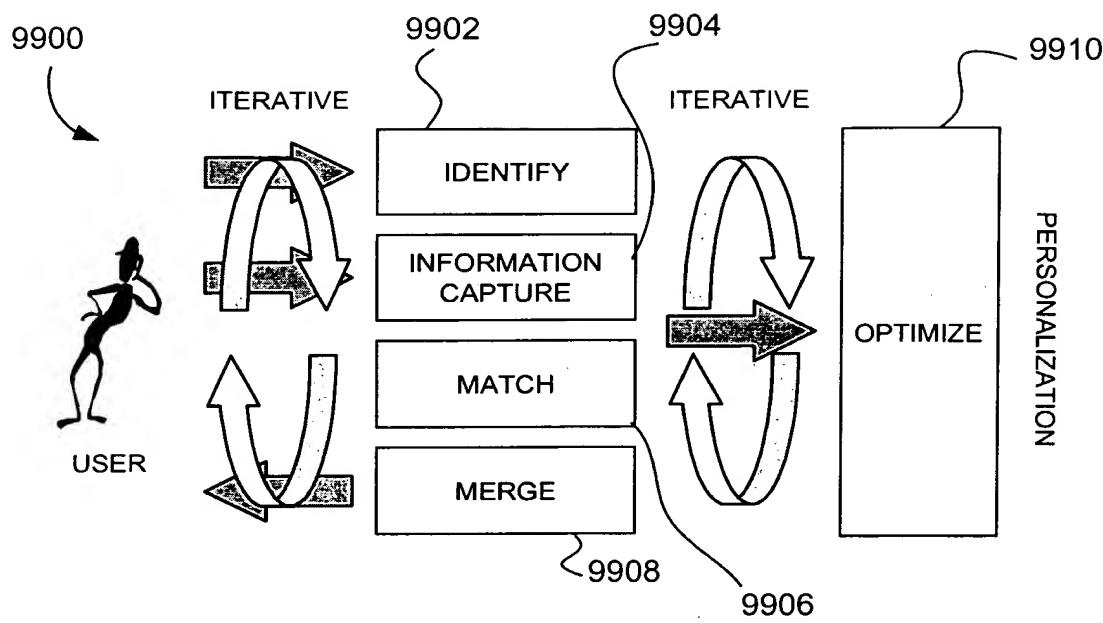


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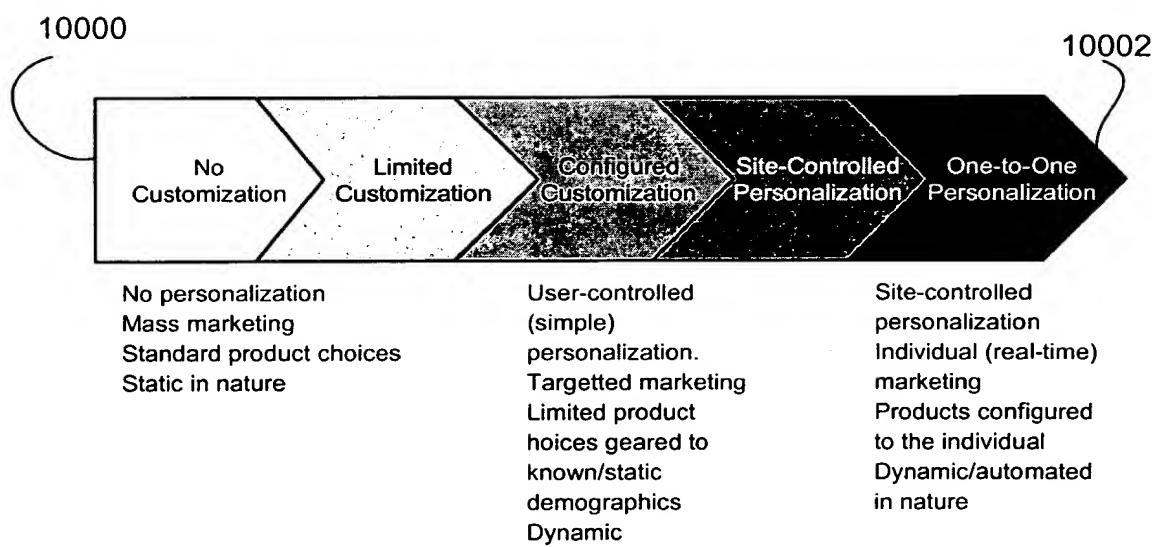


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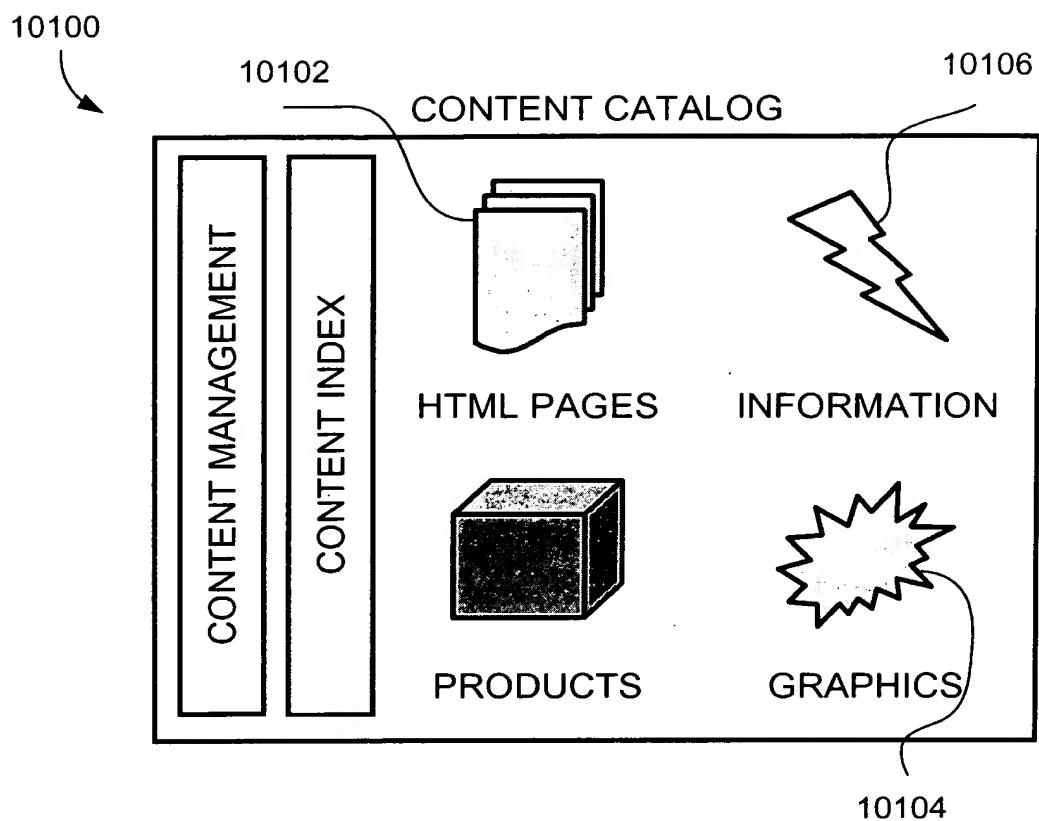


Figure 101

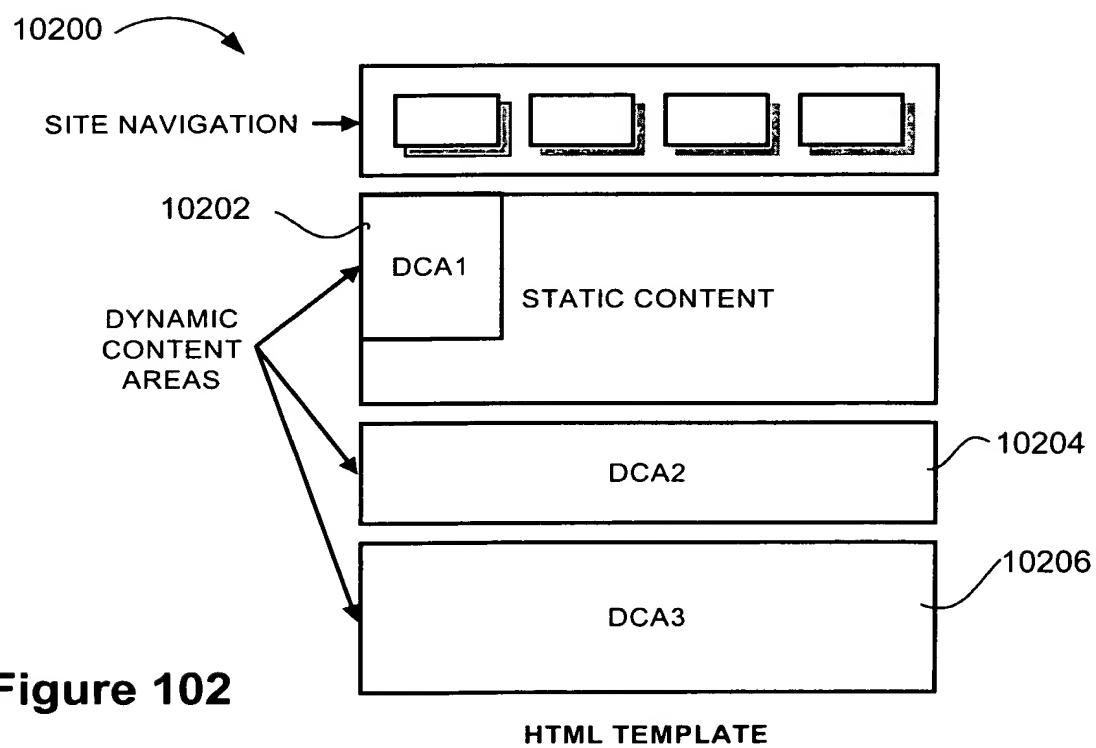


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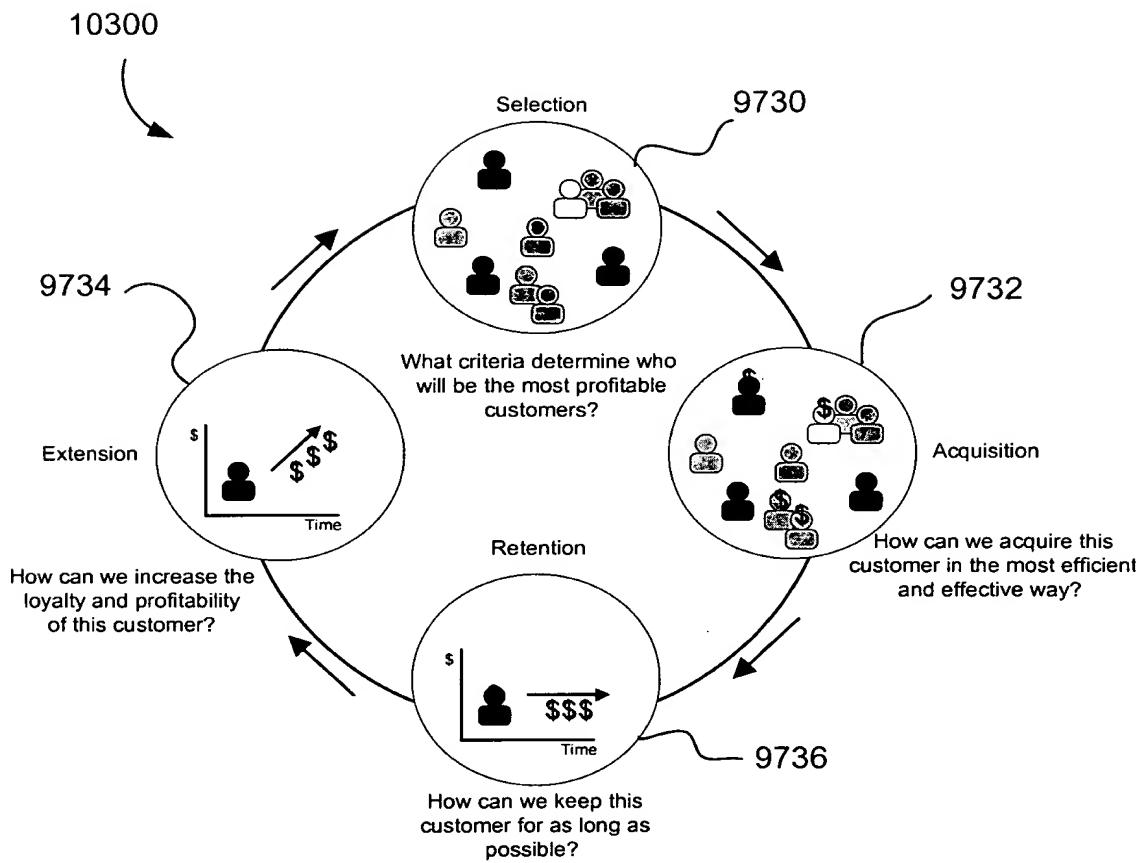


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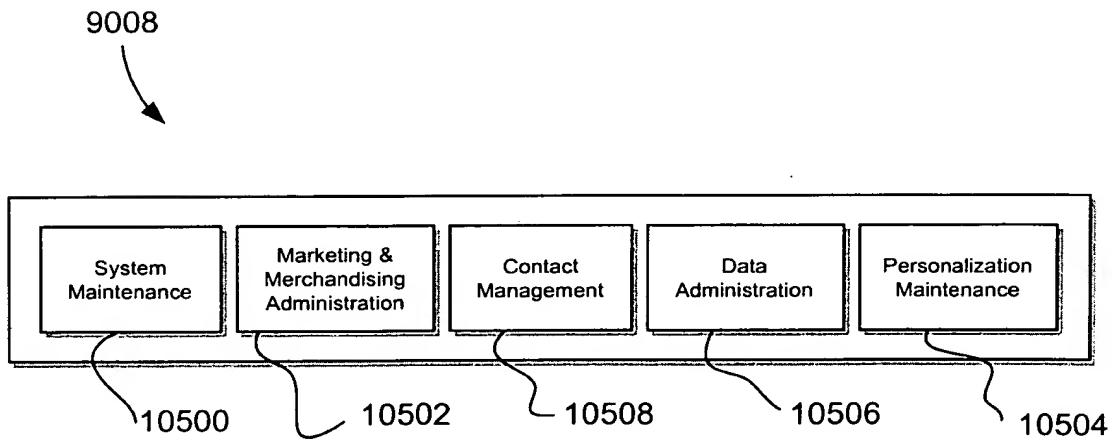


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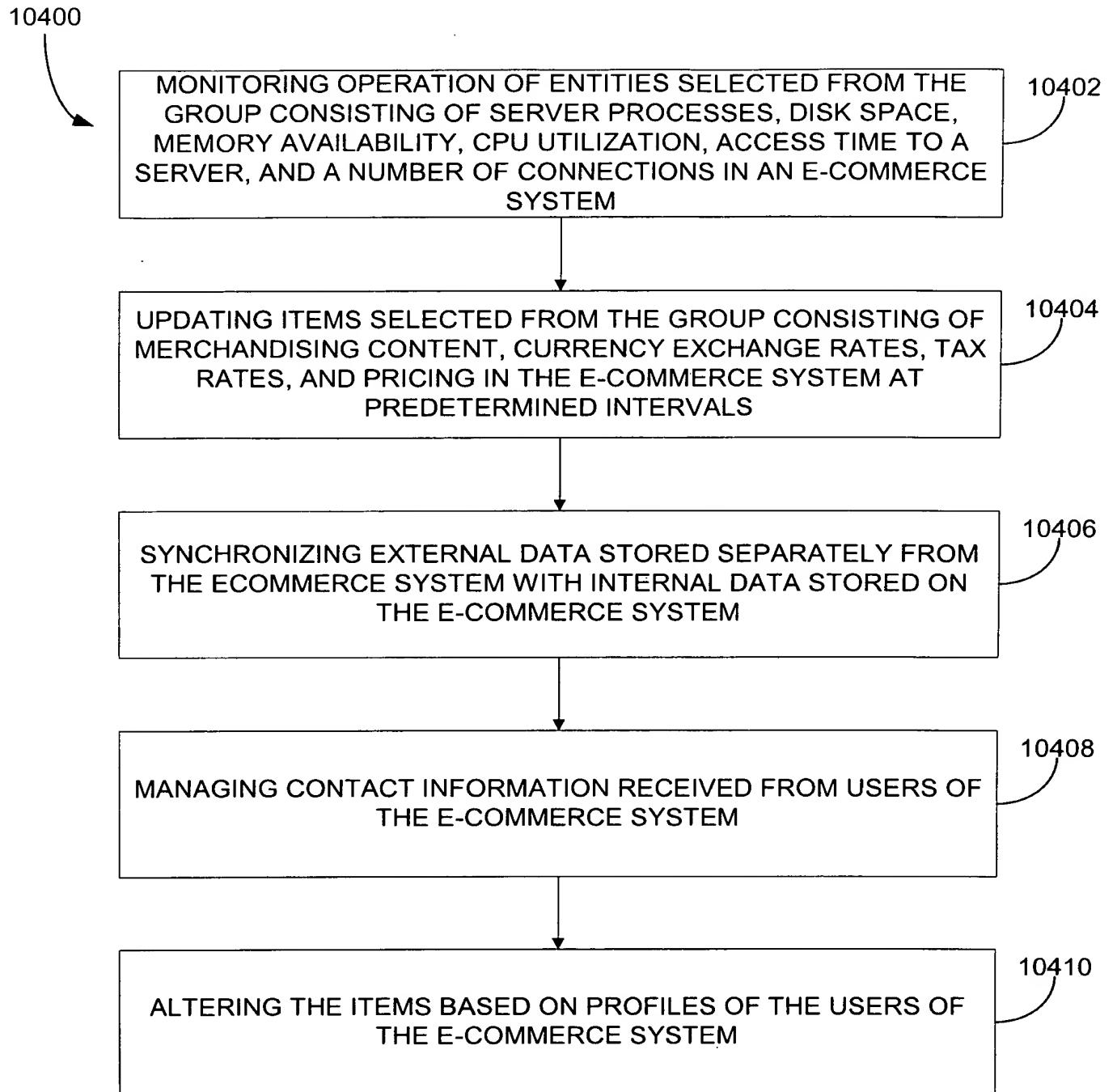


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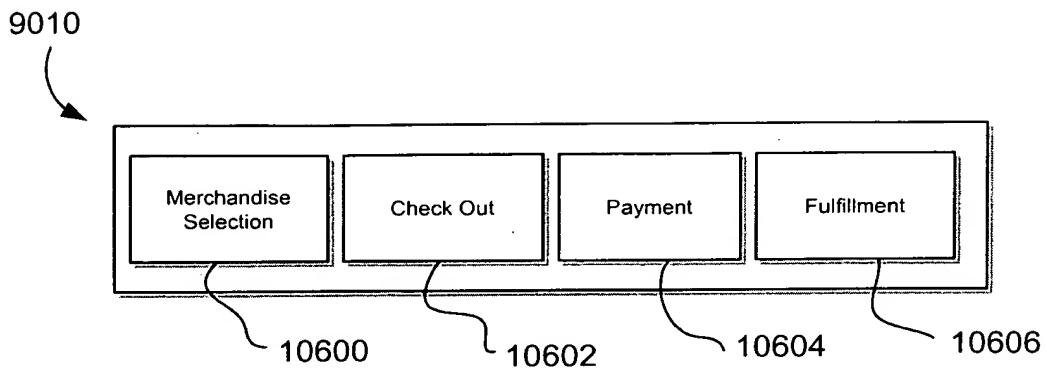


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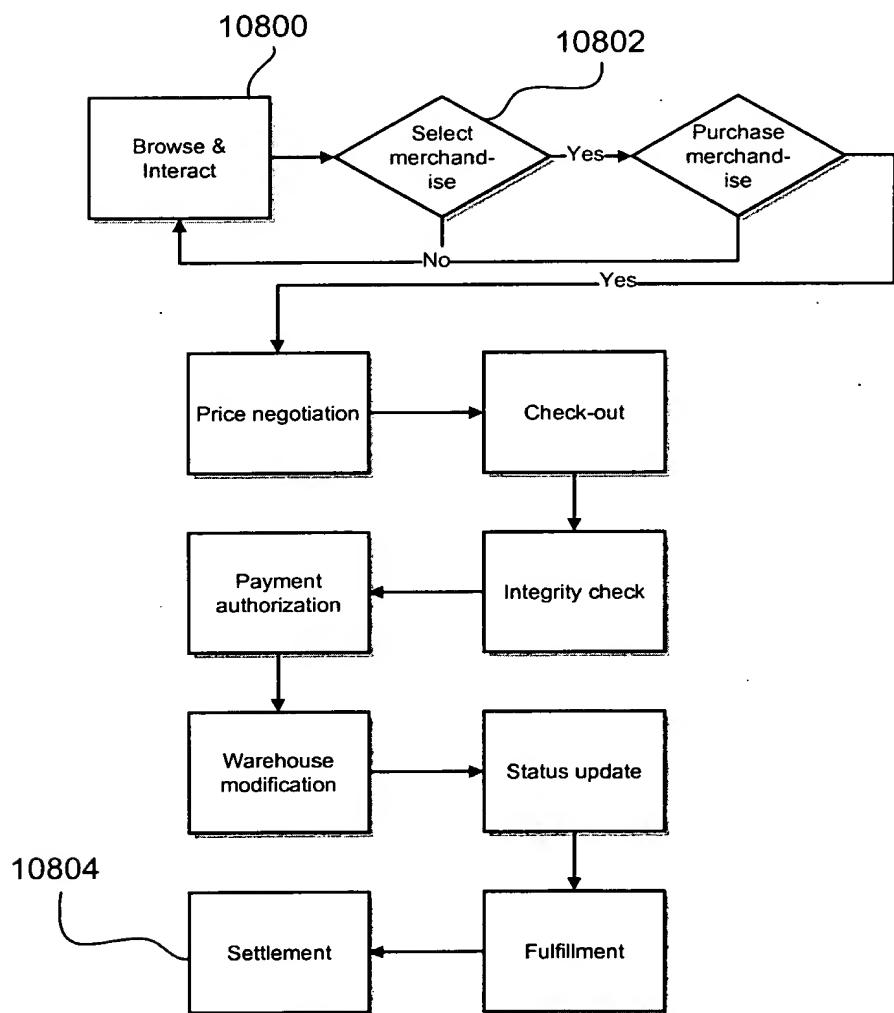


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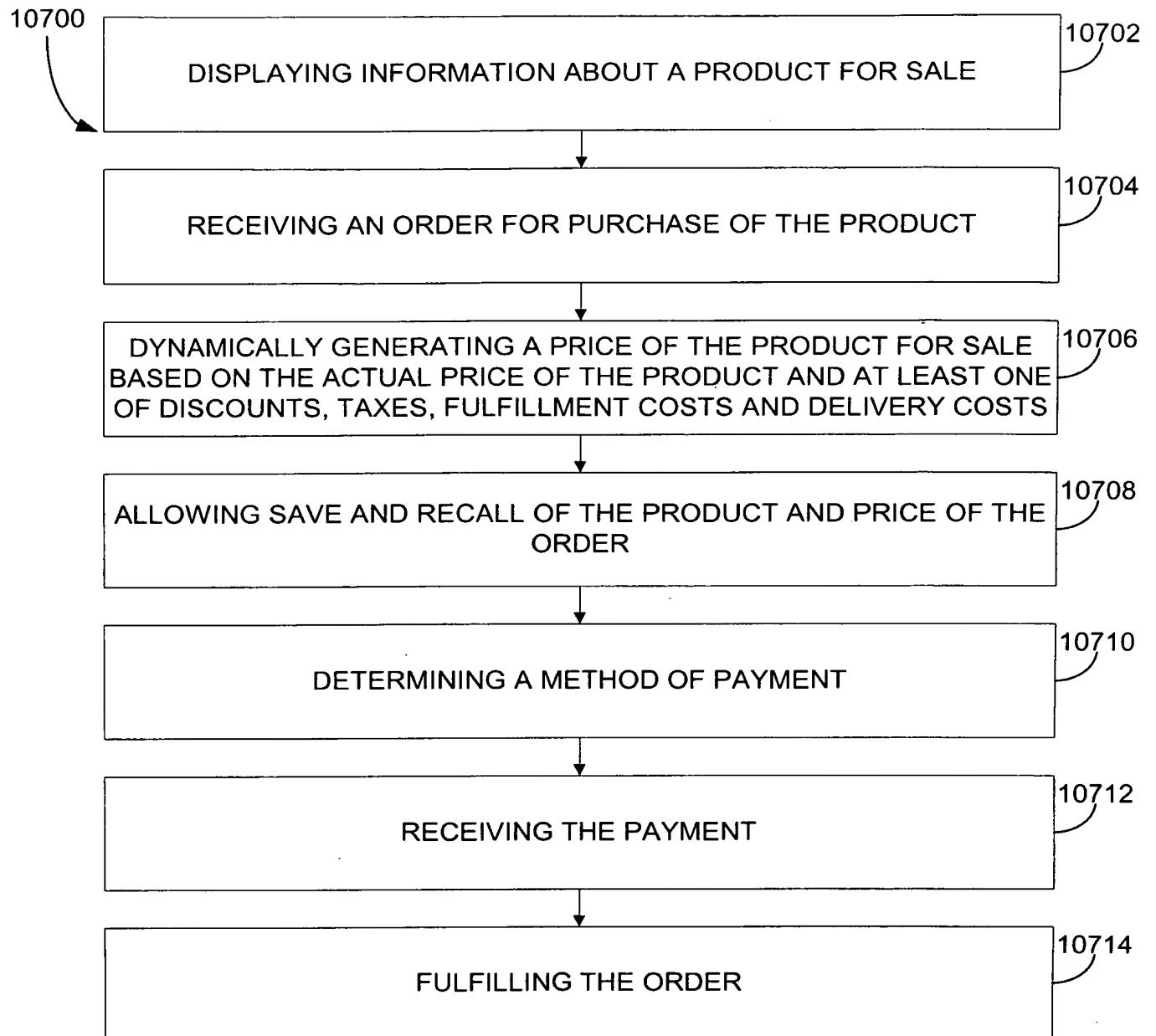


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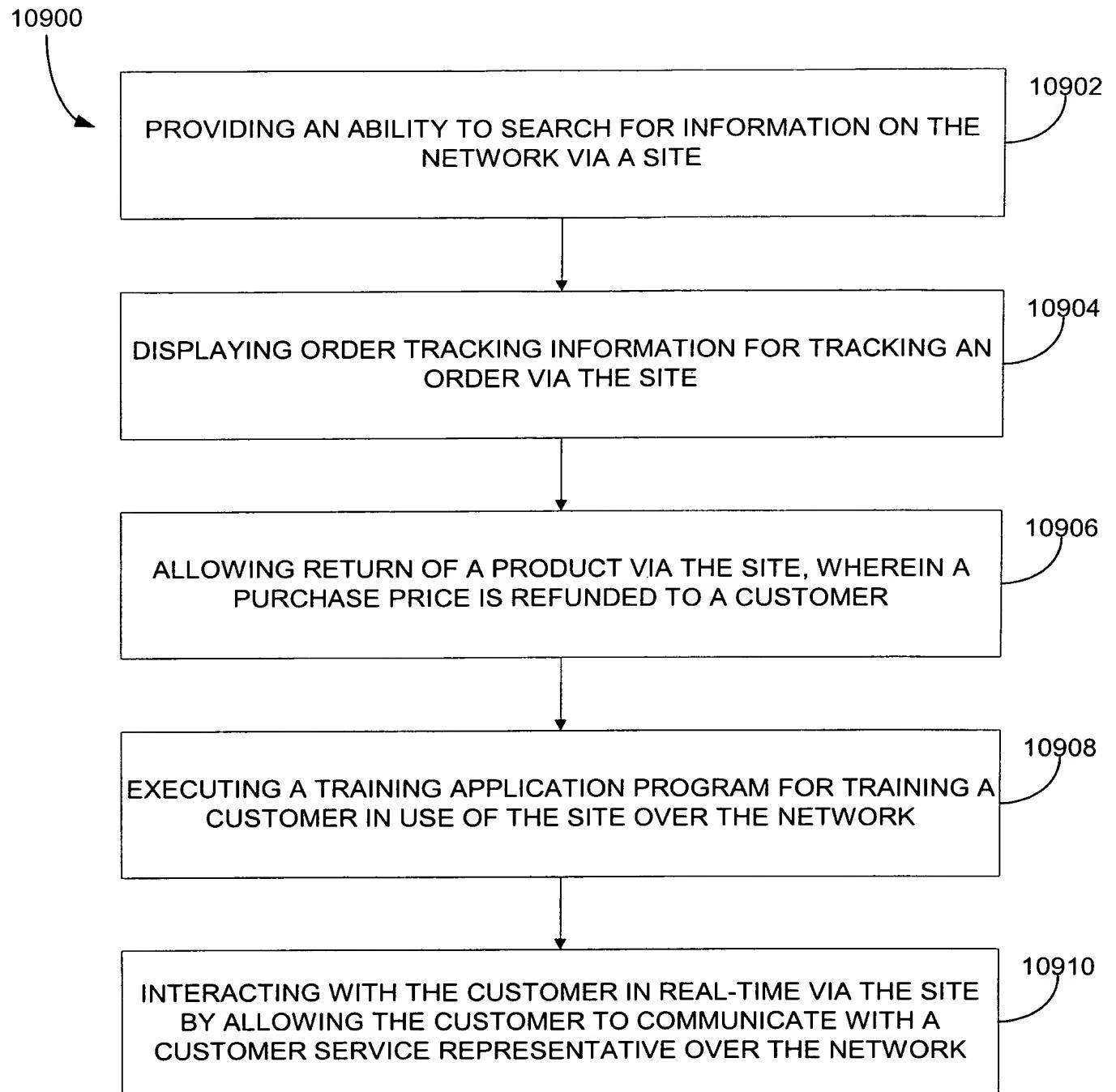


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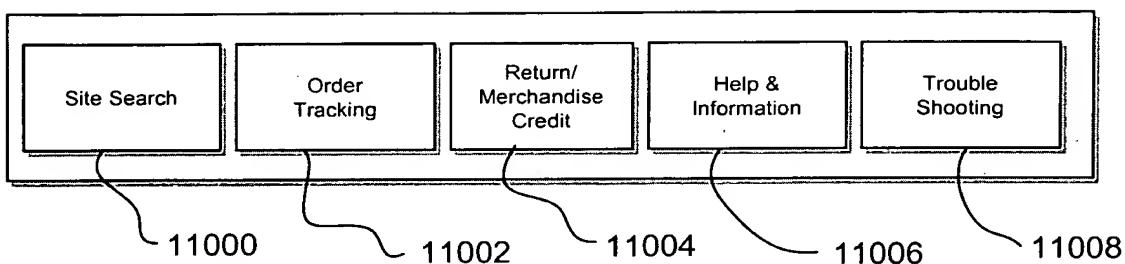


Figure 110

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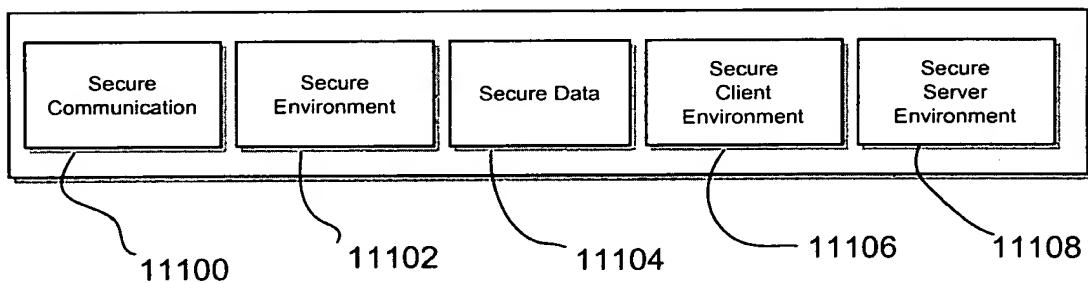


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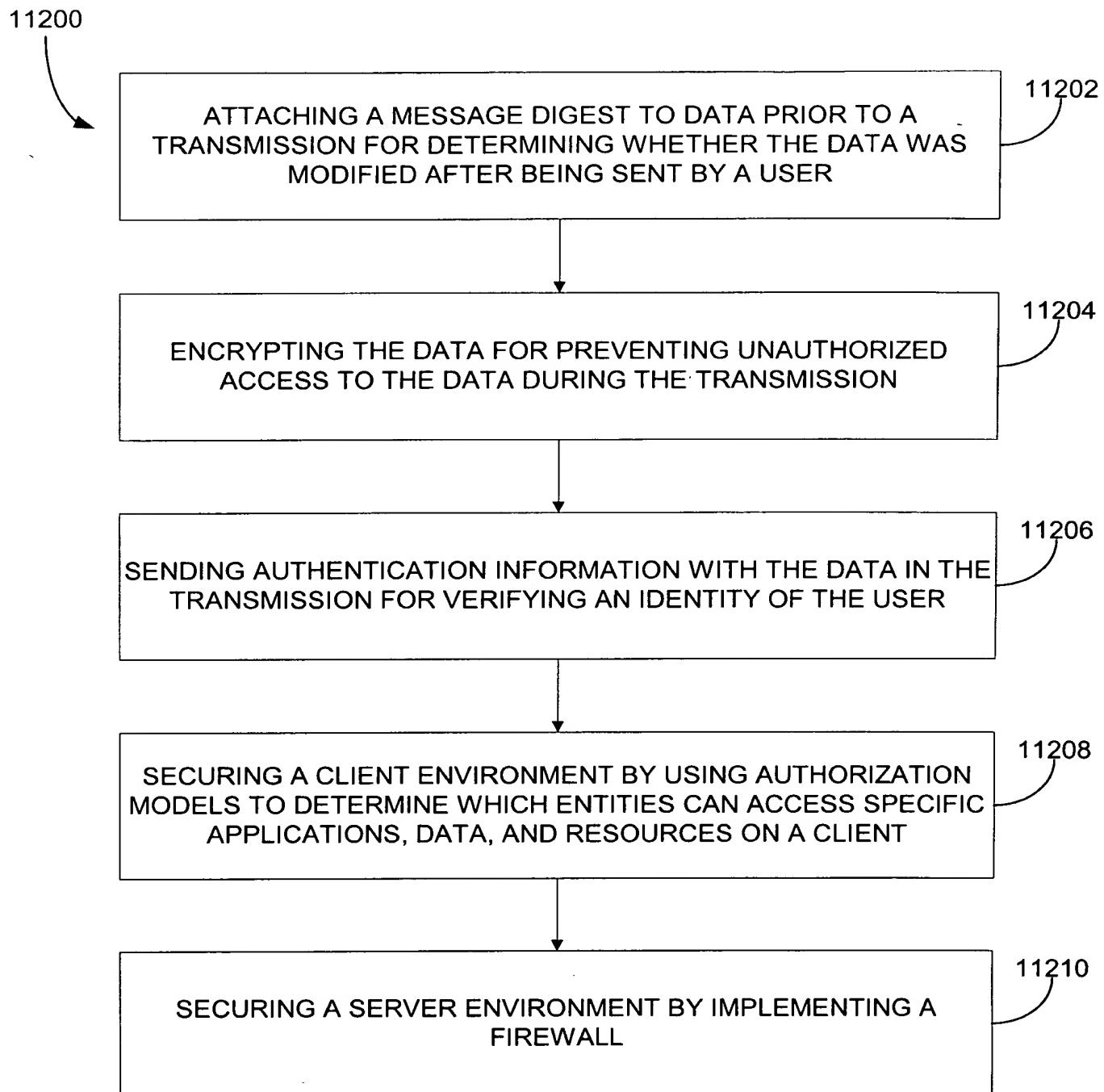


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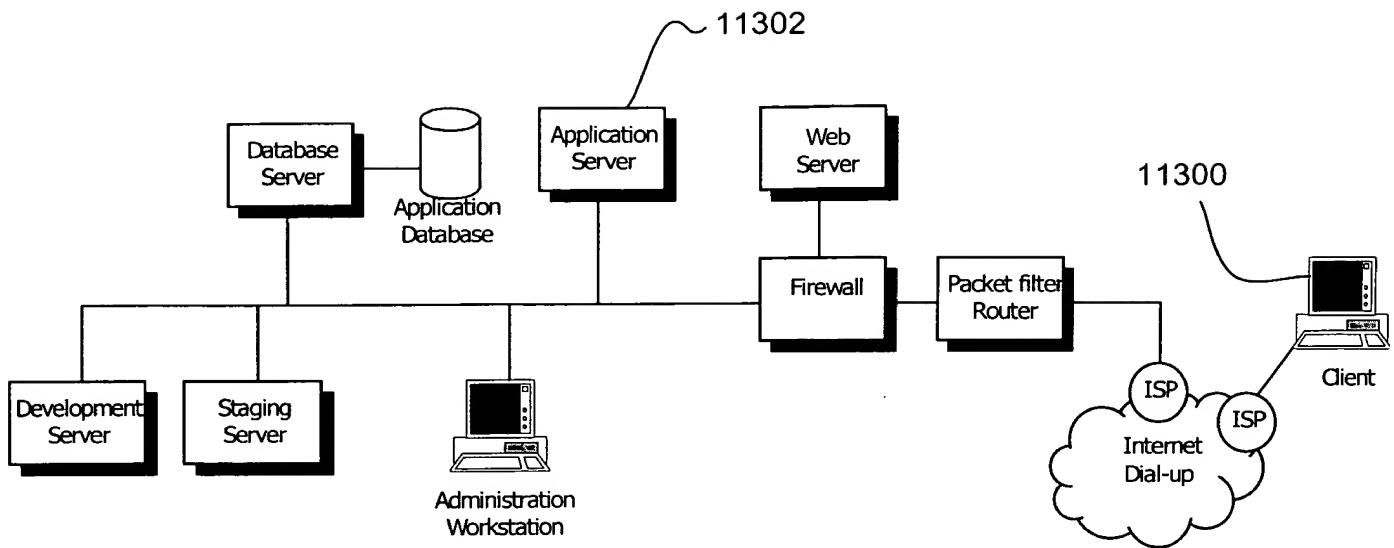


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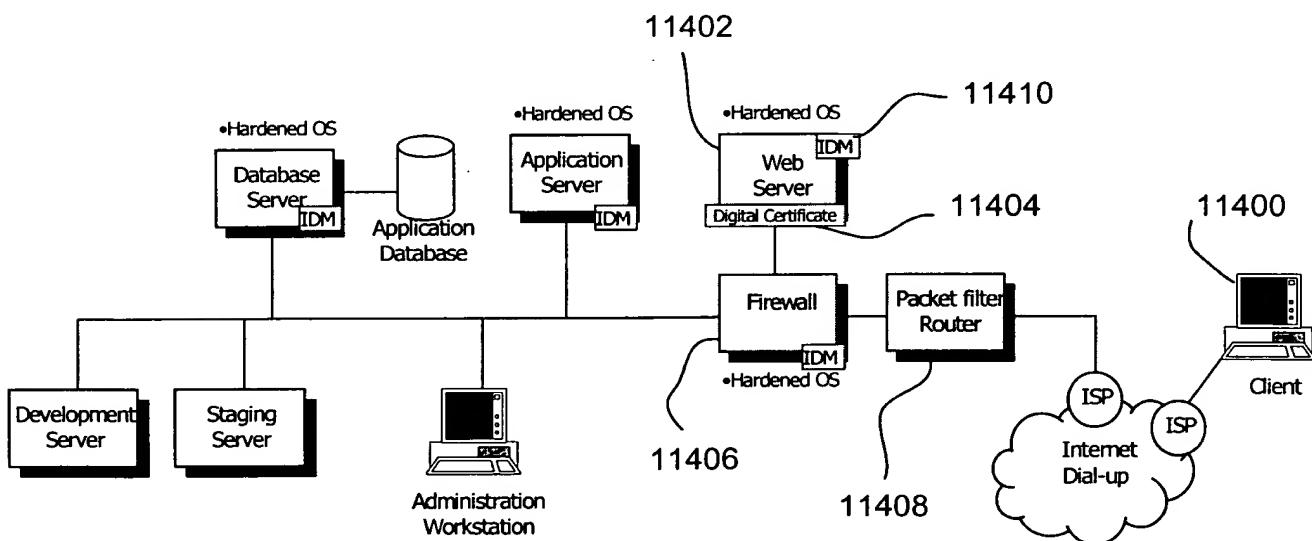


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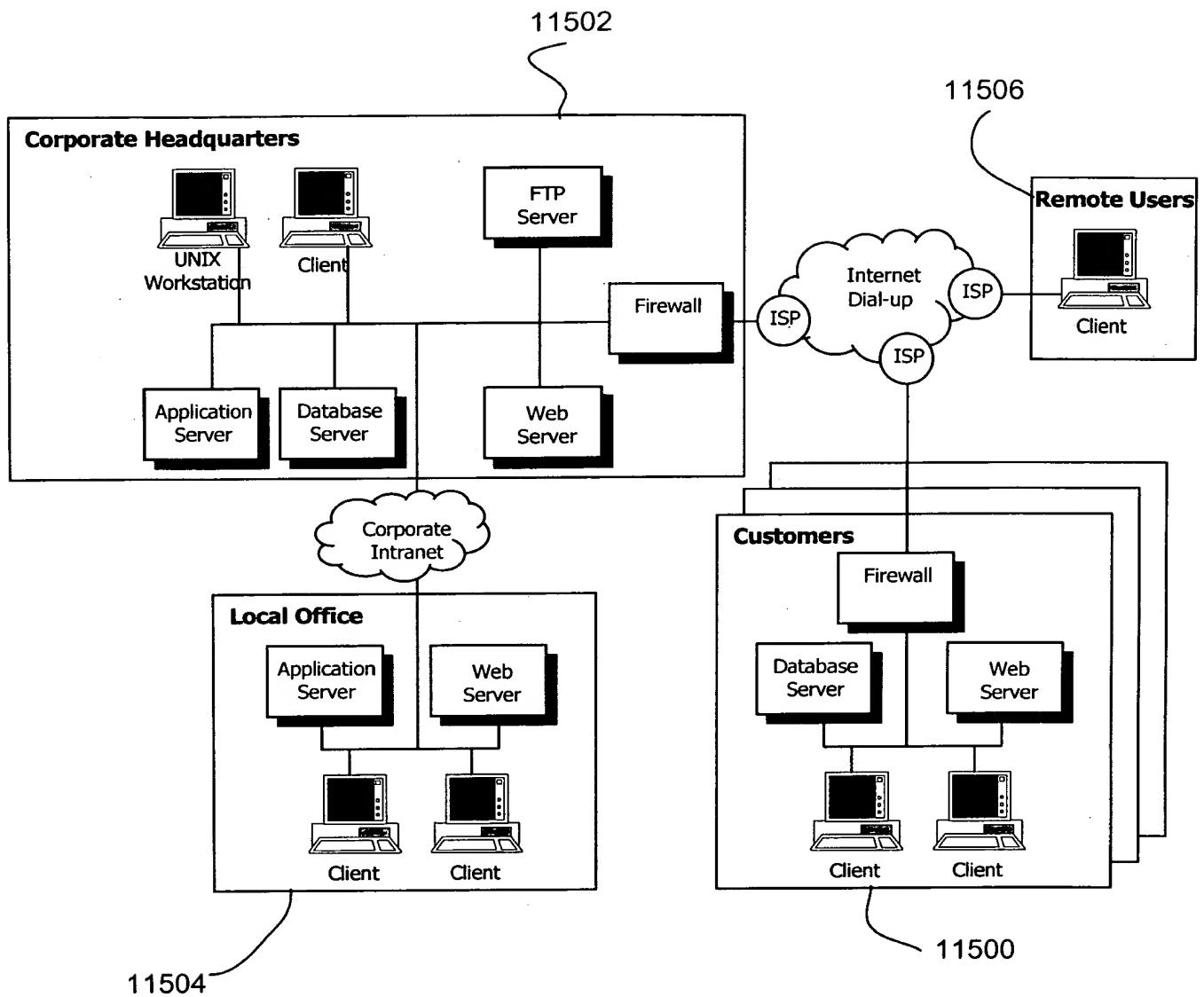


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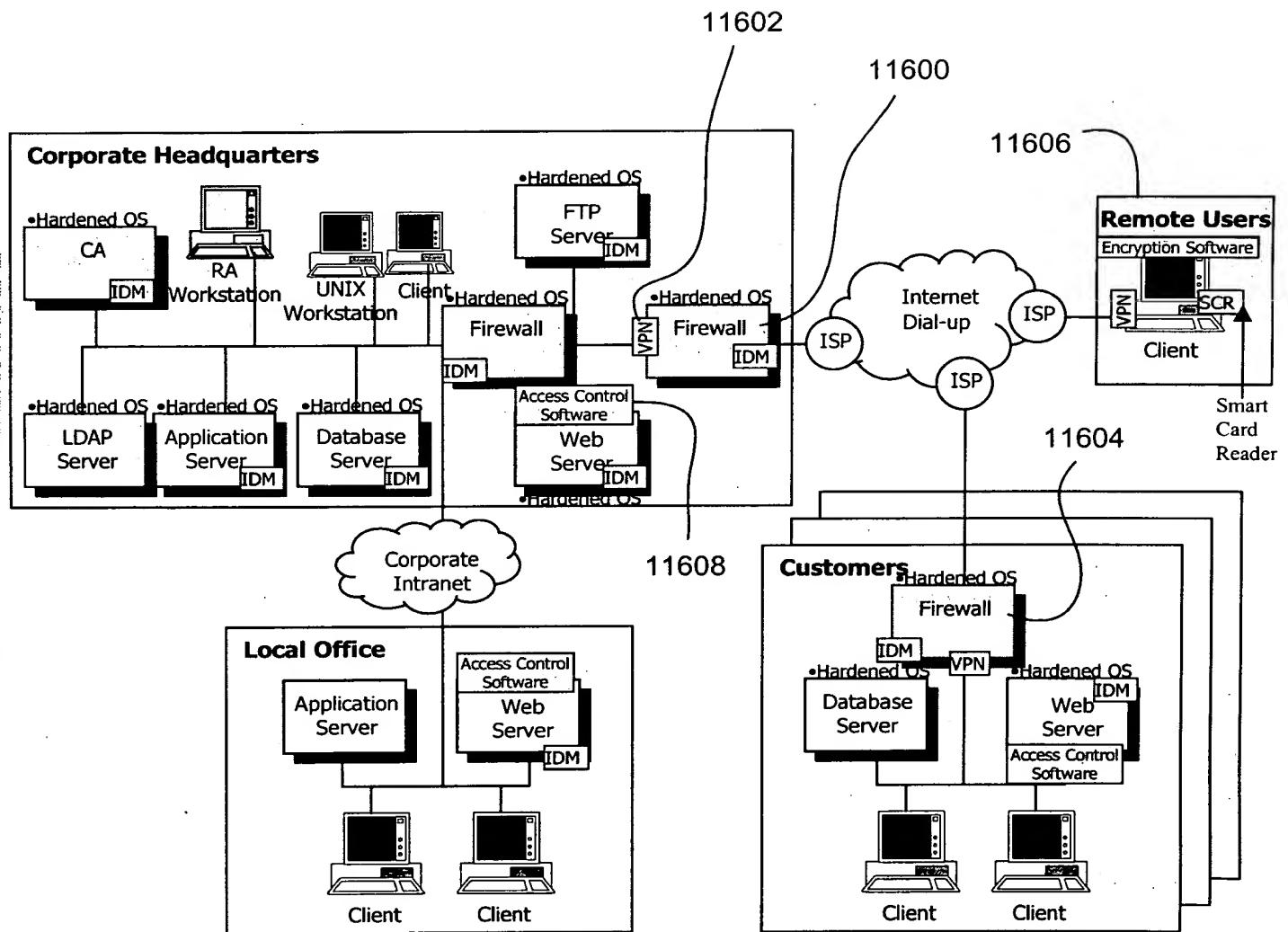


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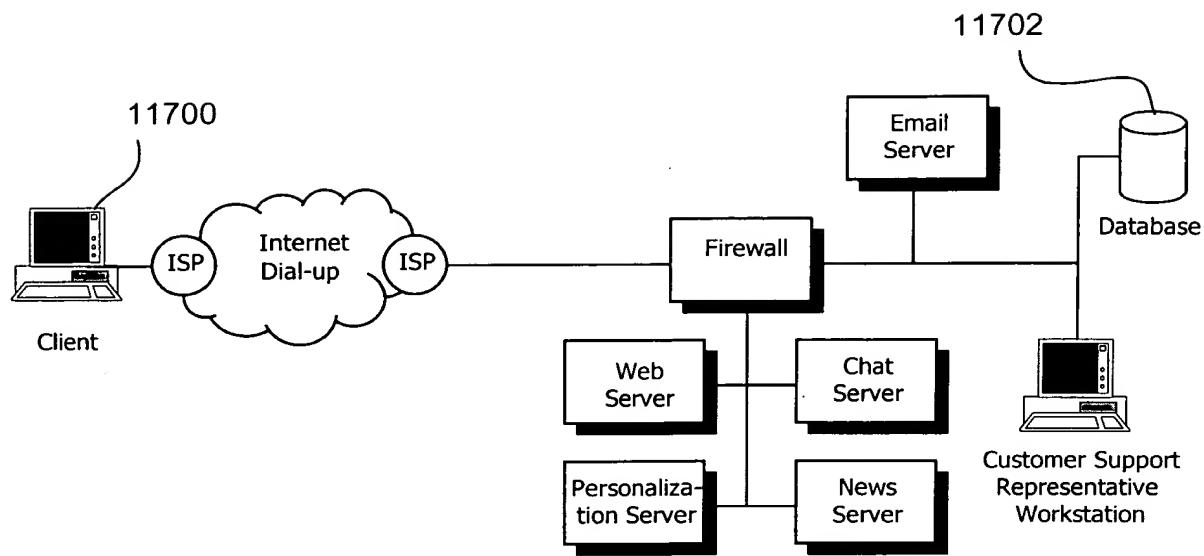


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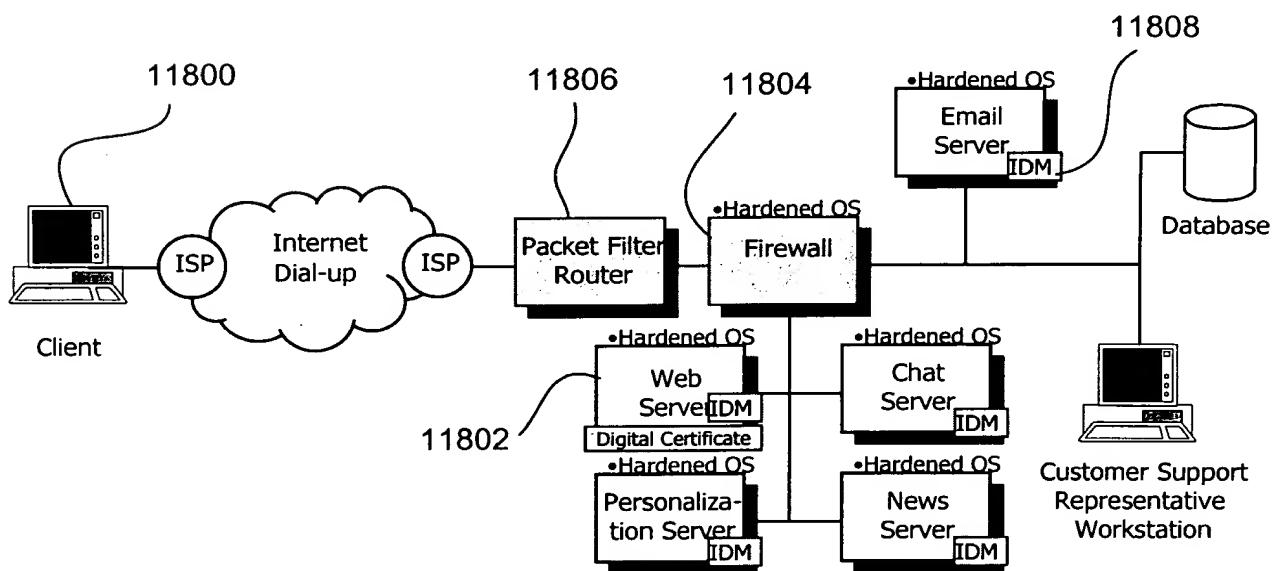


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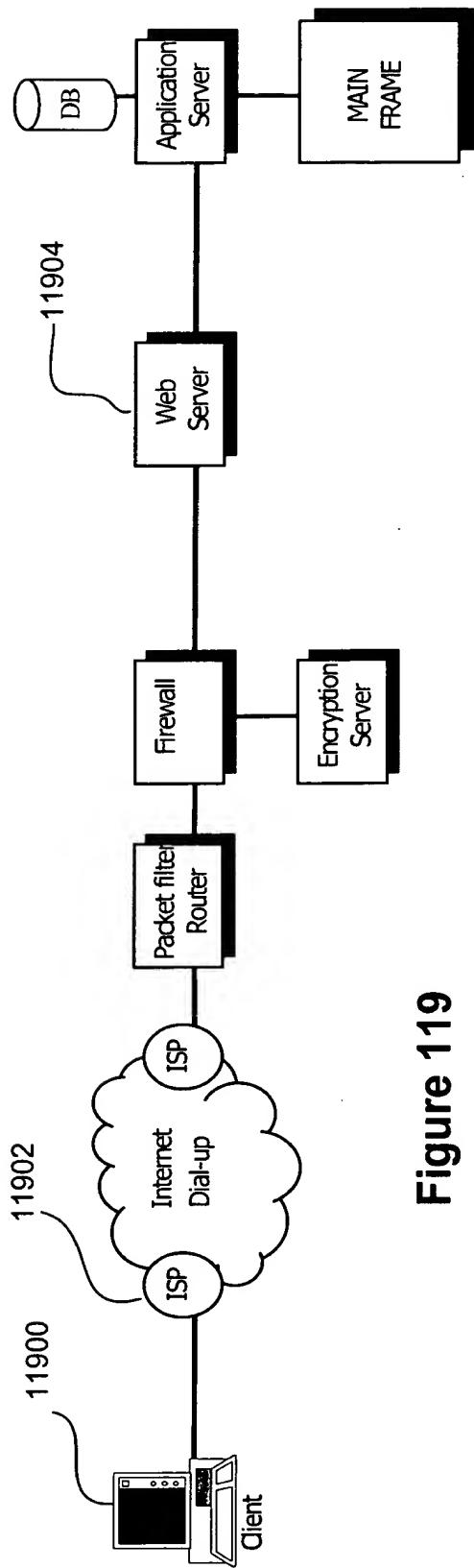


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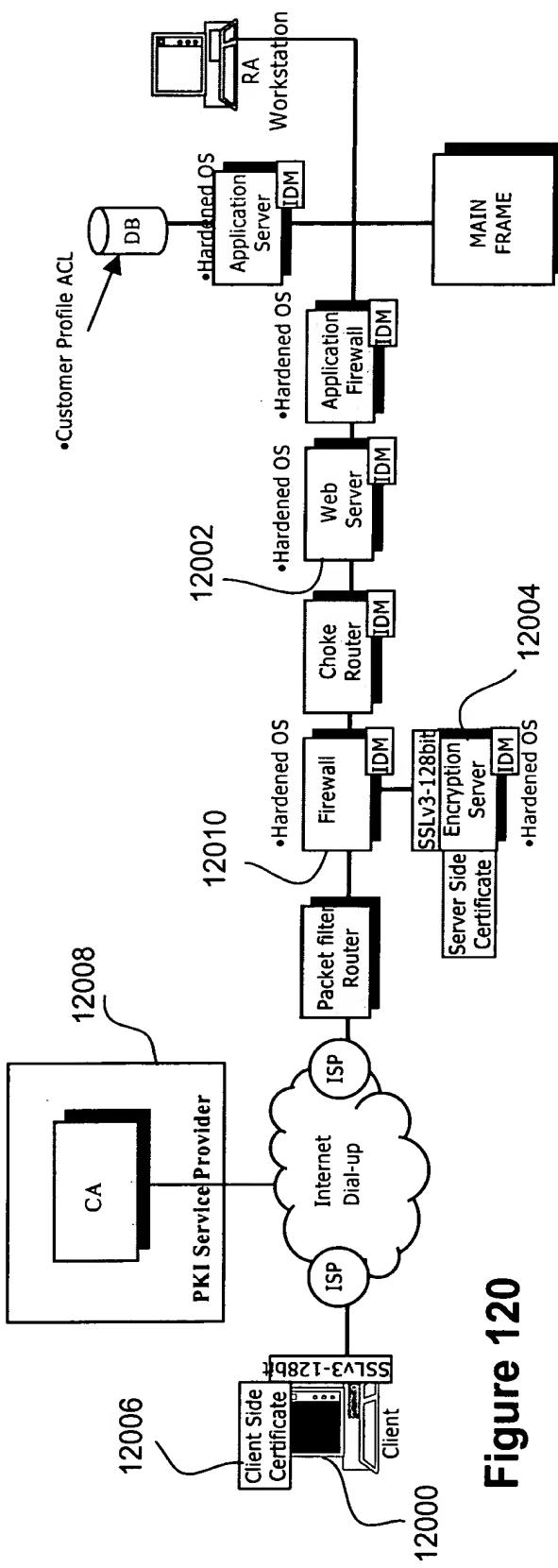


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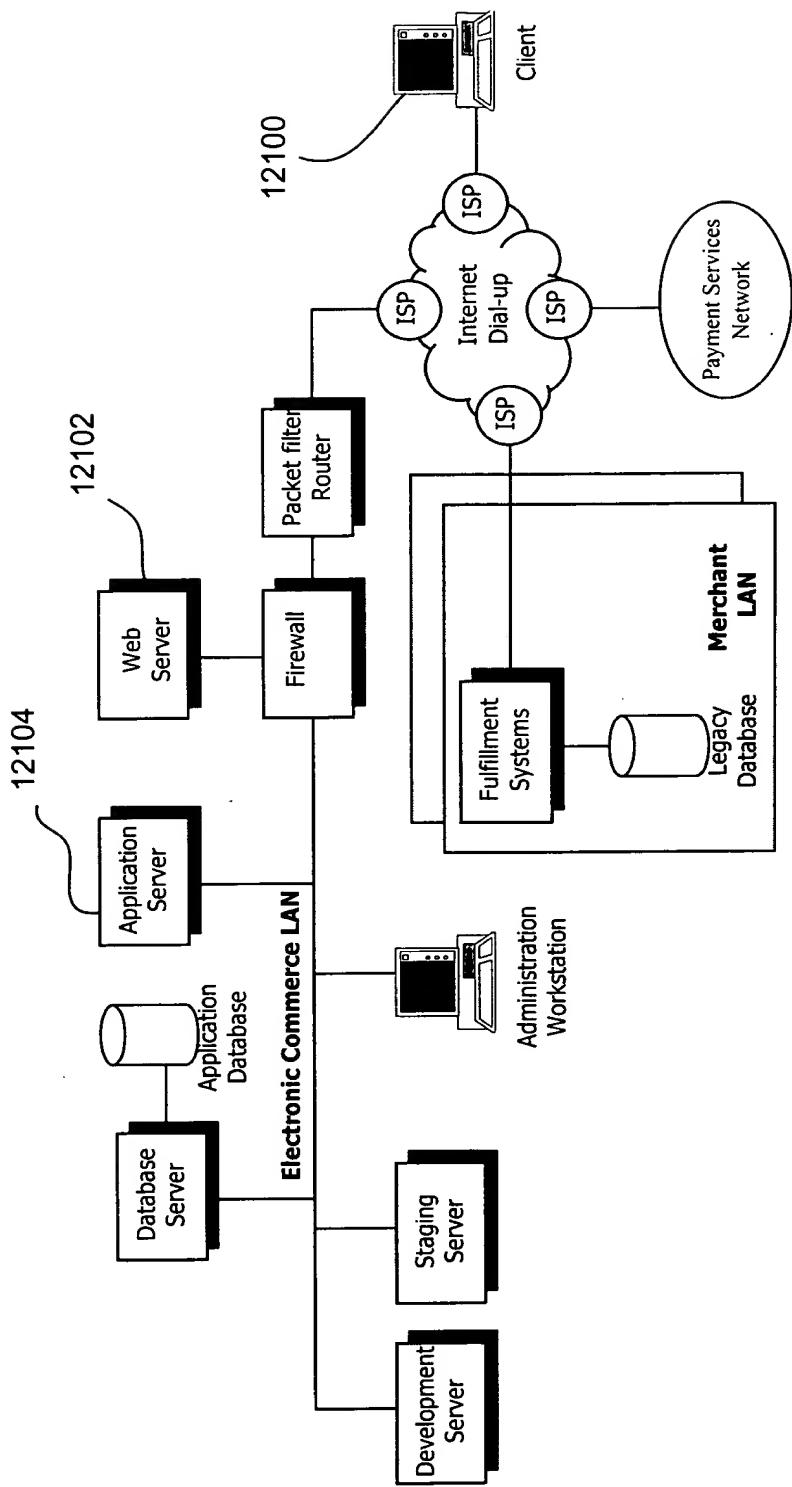


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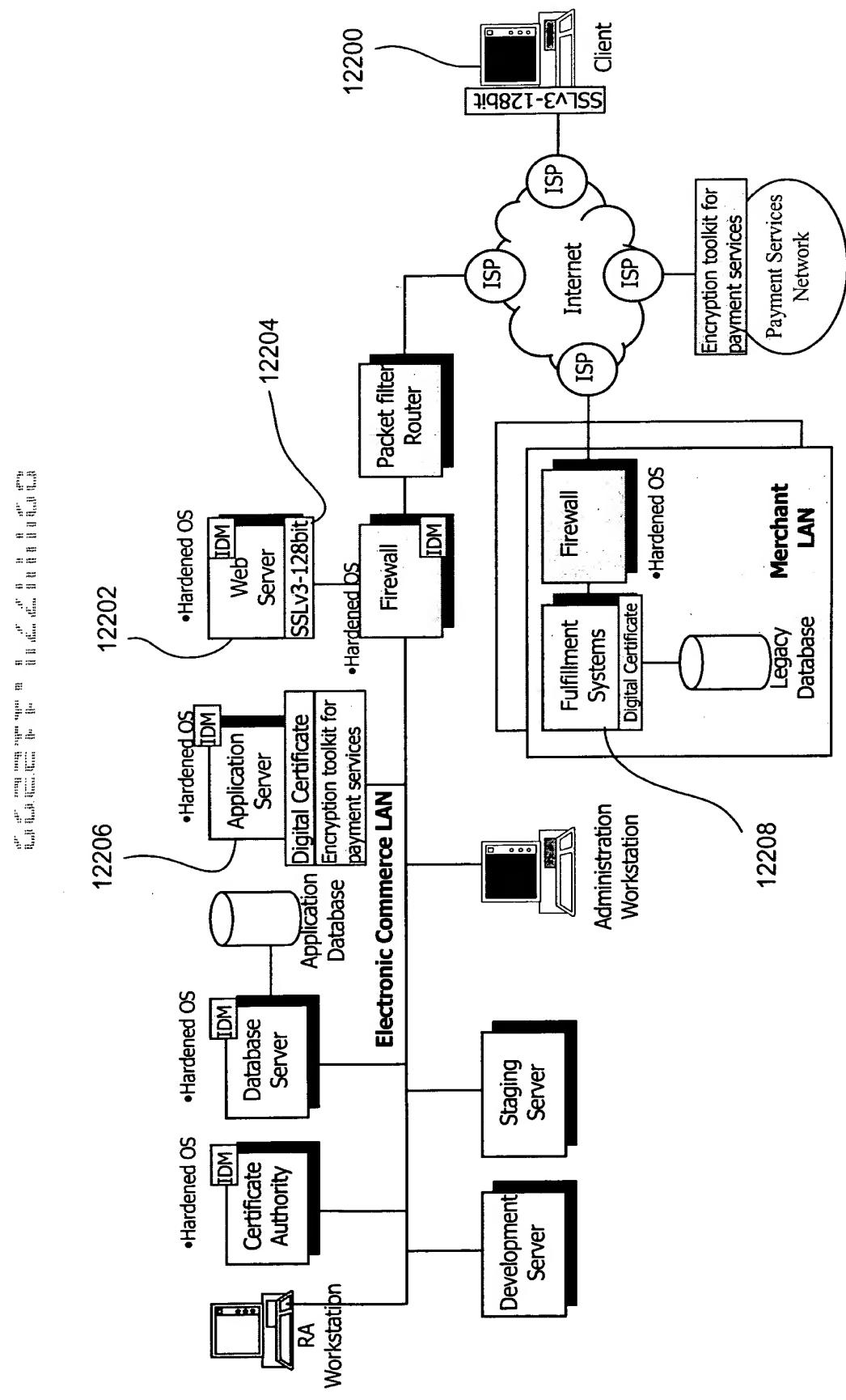


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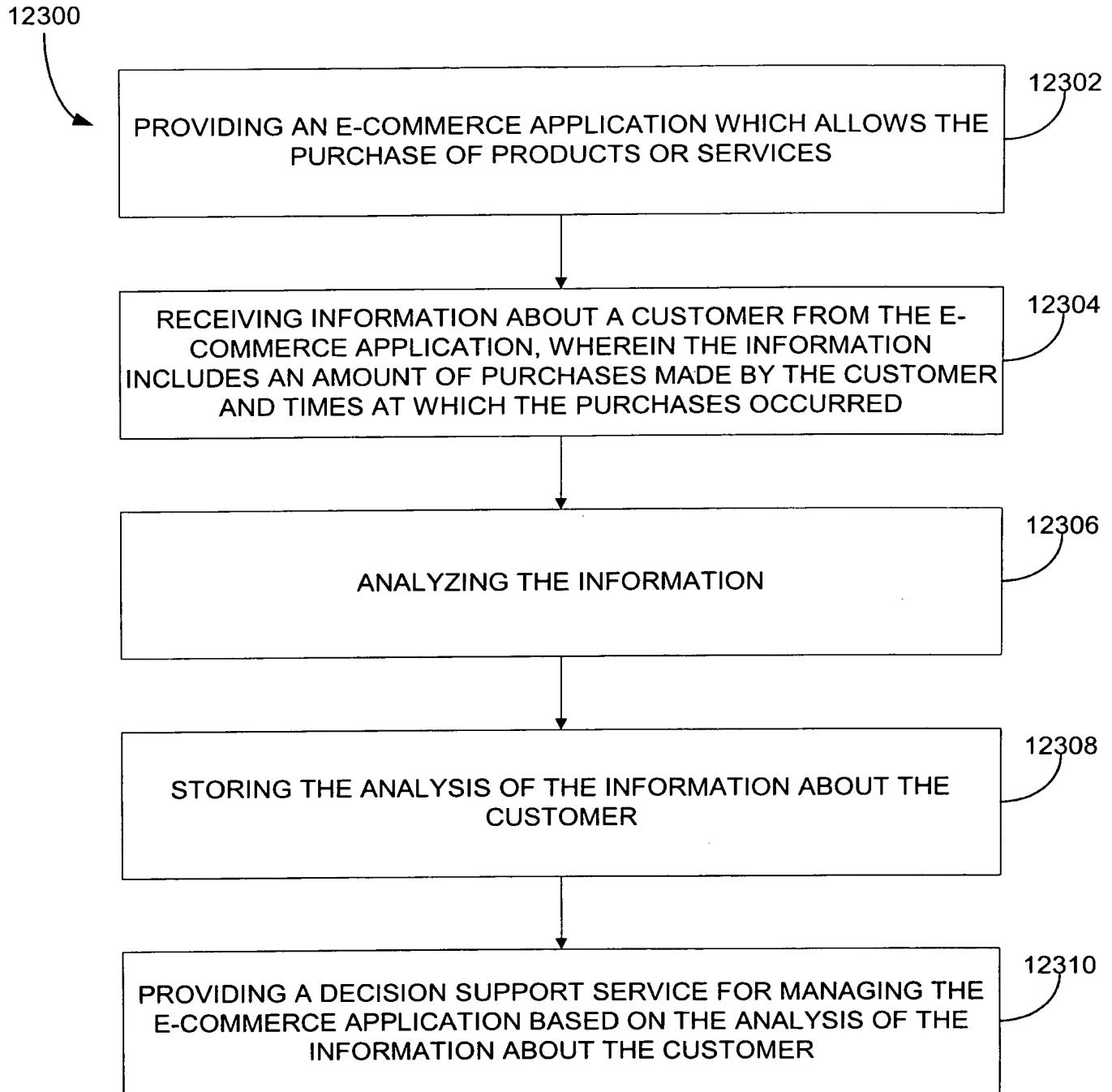


Figure 123

9016

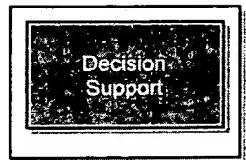


Figure 124

9018



Figure 125

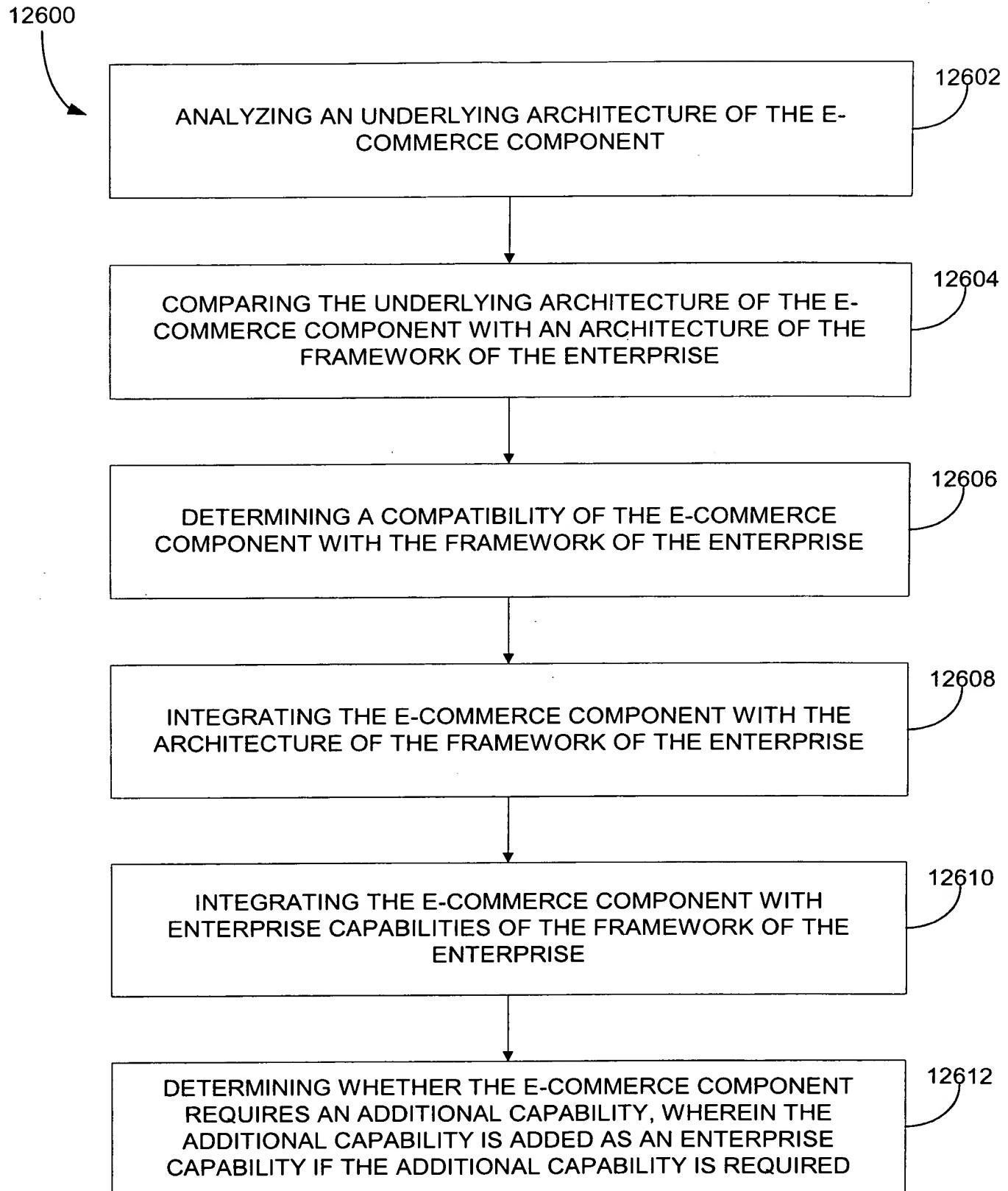
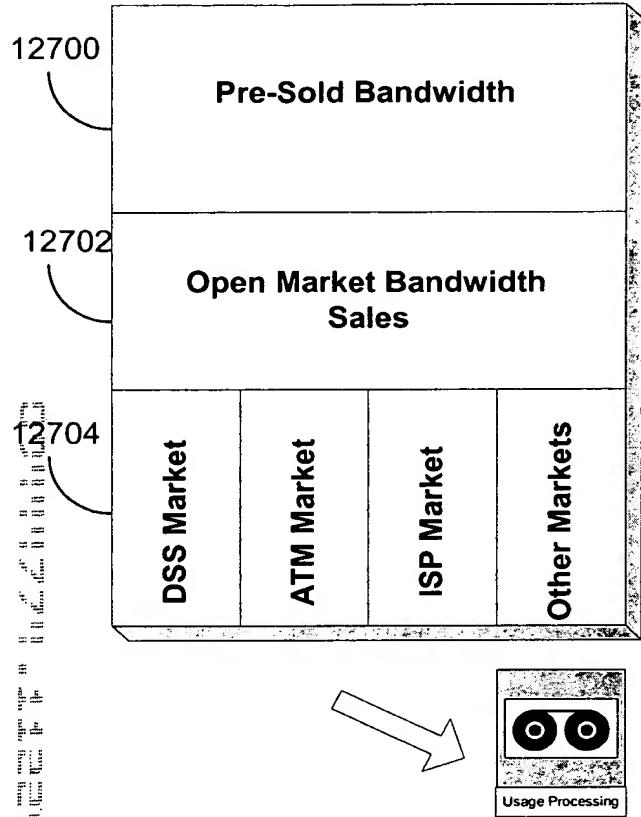


Figure 126

Bandwidth Market

Bandwidth Purchases



Net Settlements

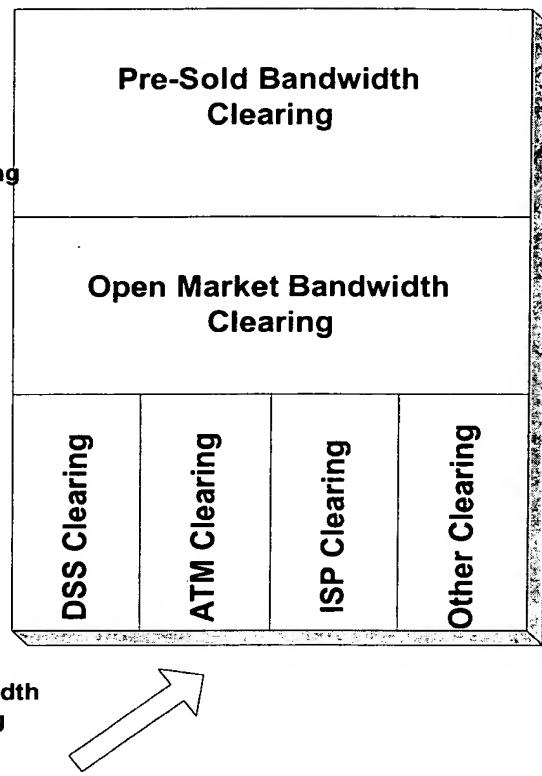


Figure 127

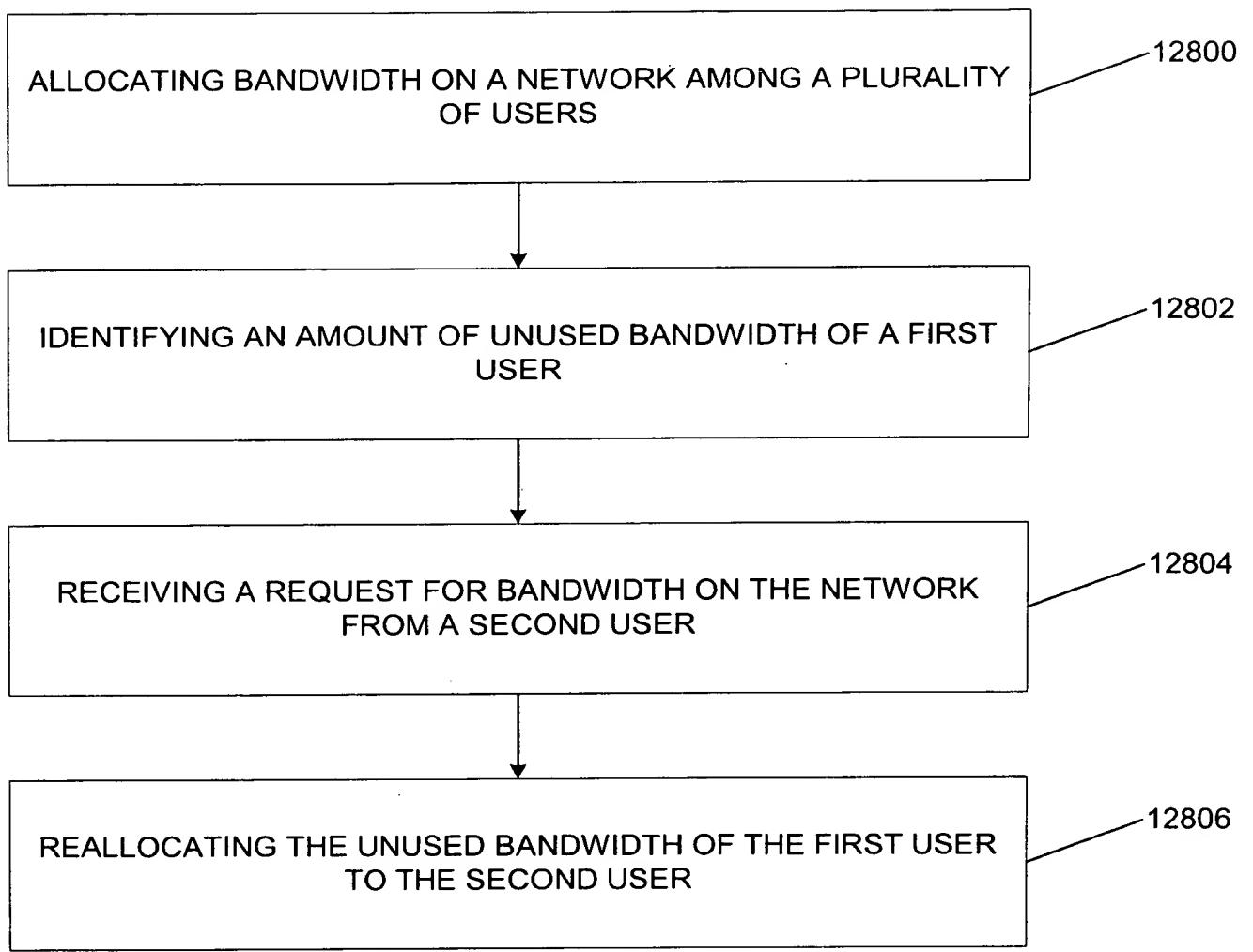


Figure 128

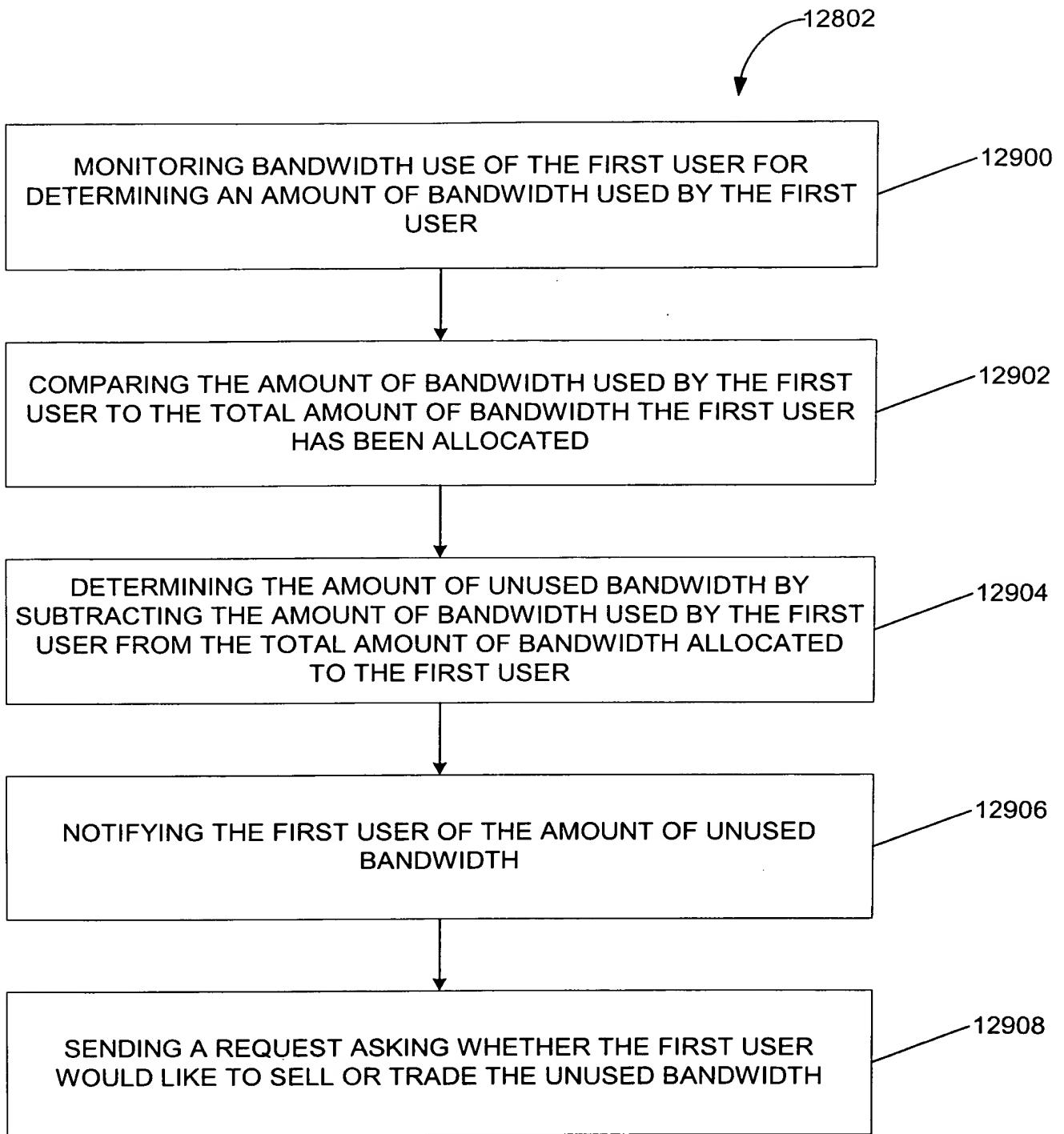


Figure 129

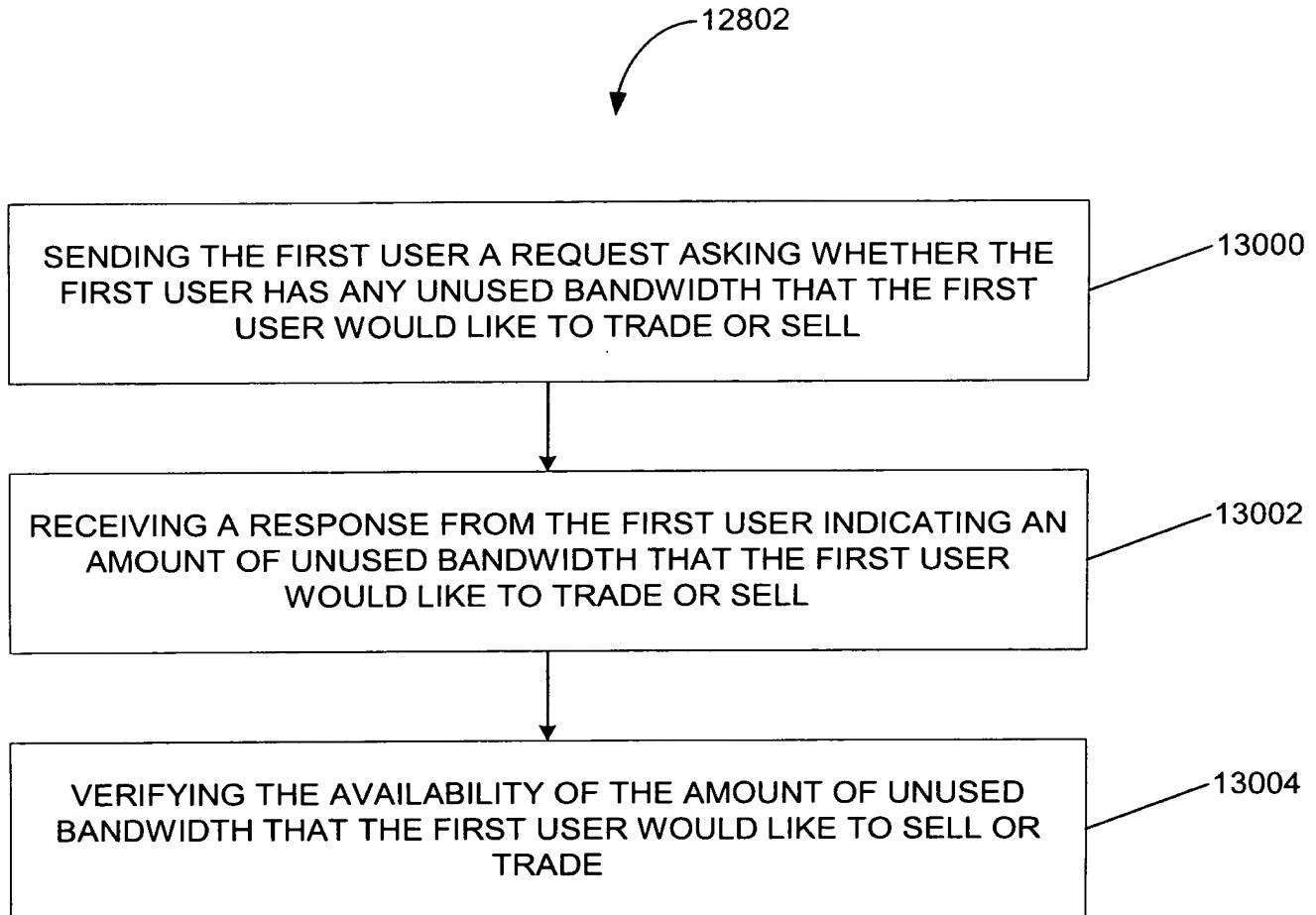


Figure 130

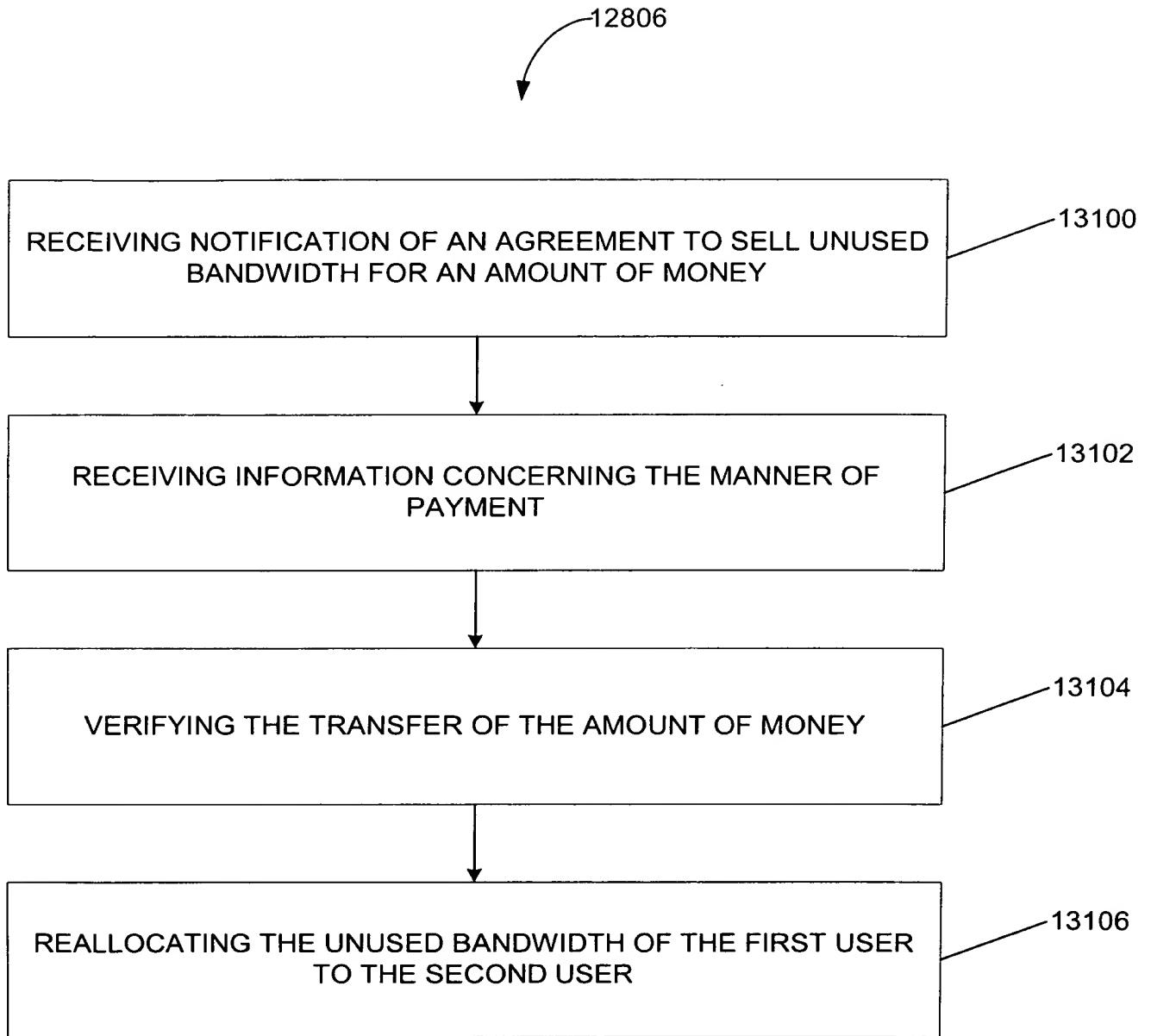


Figure 131

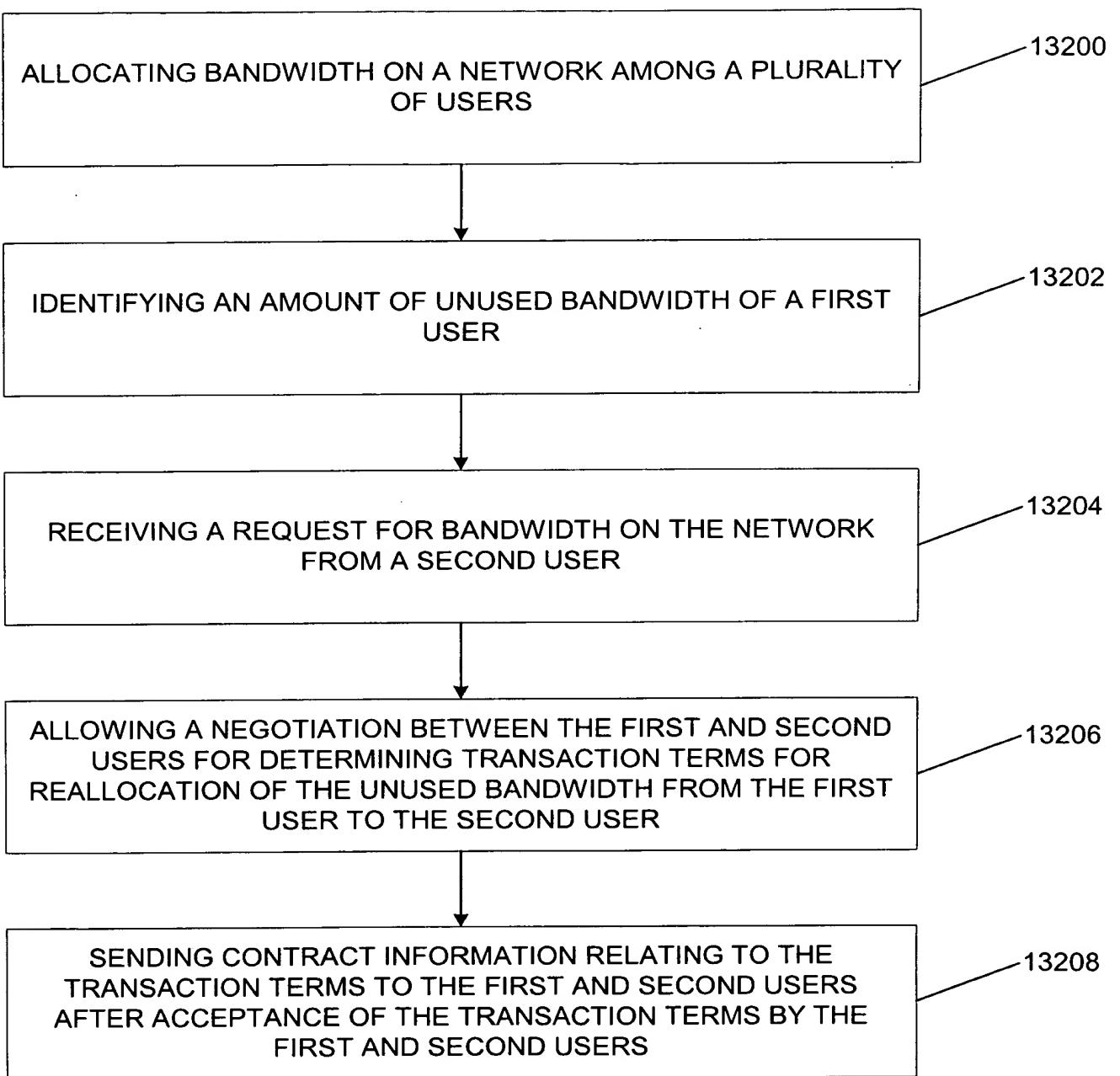


Figure 132

Bandwidth Contract Flow

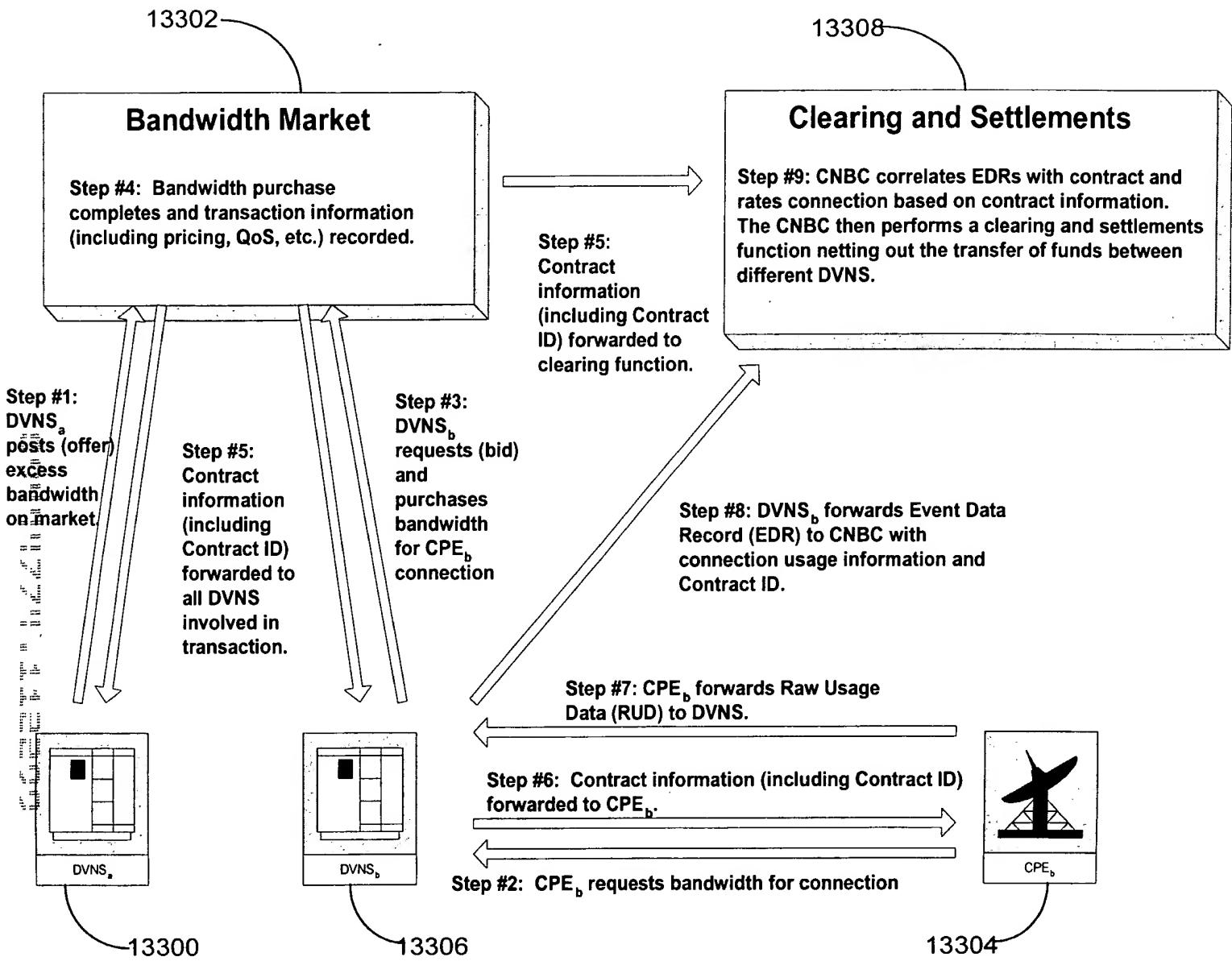


Figure 133

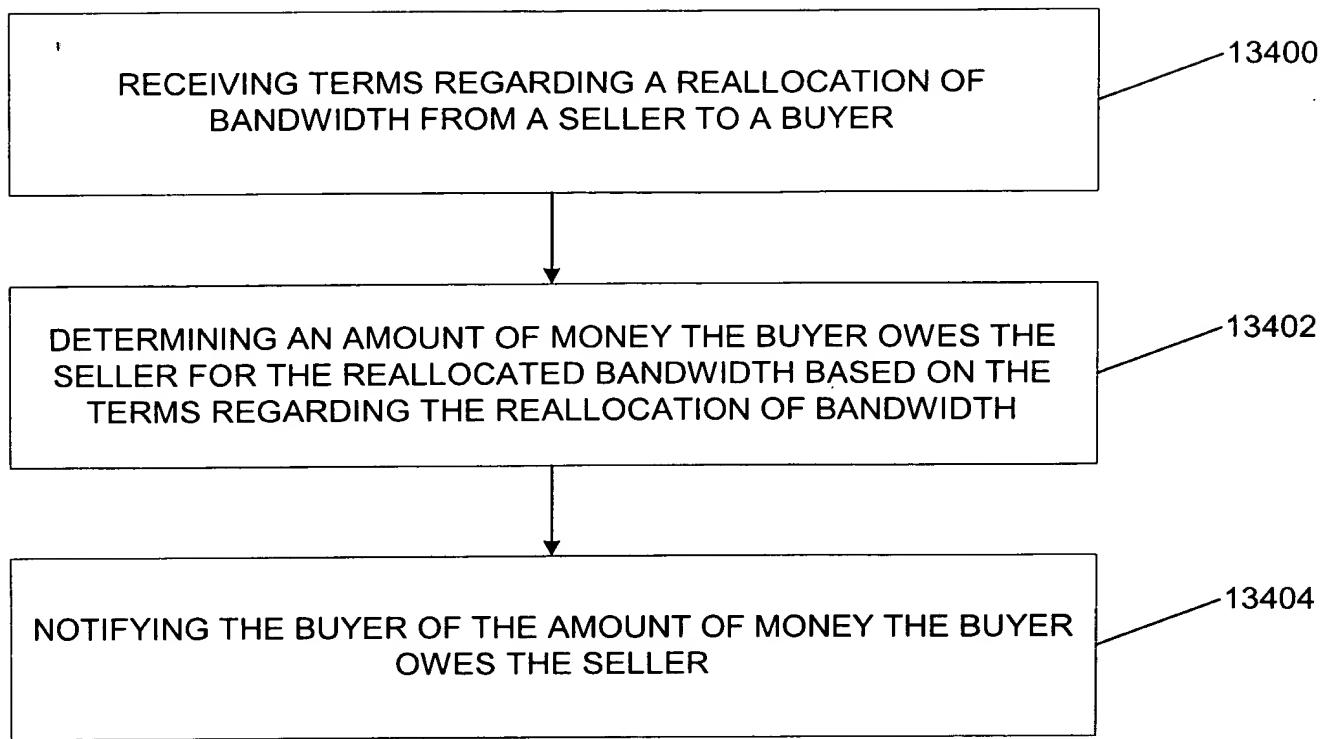


Figure 134

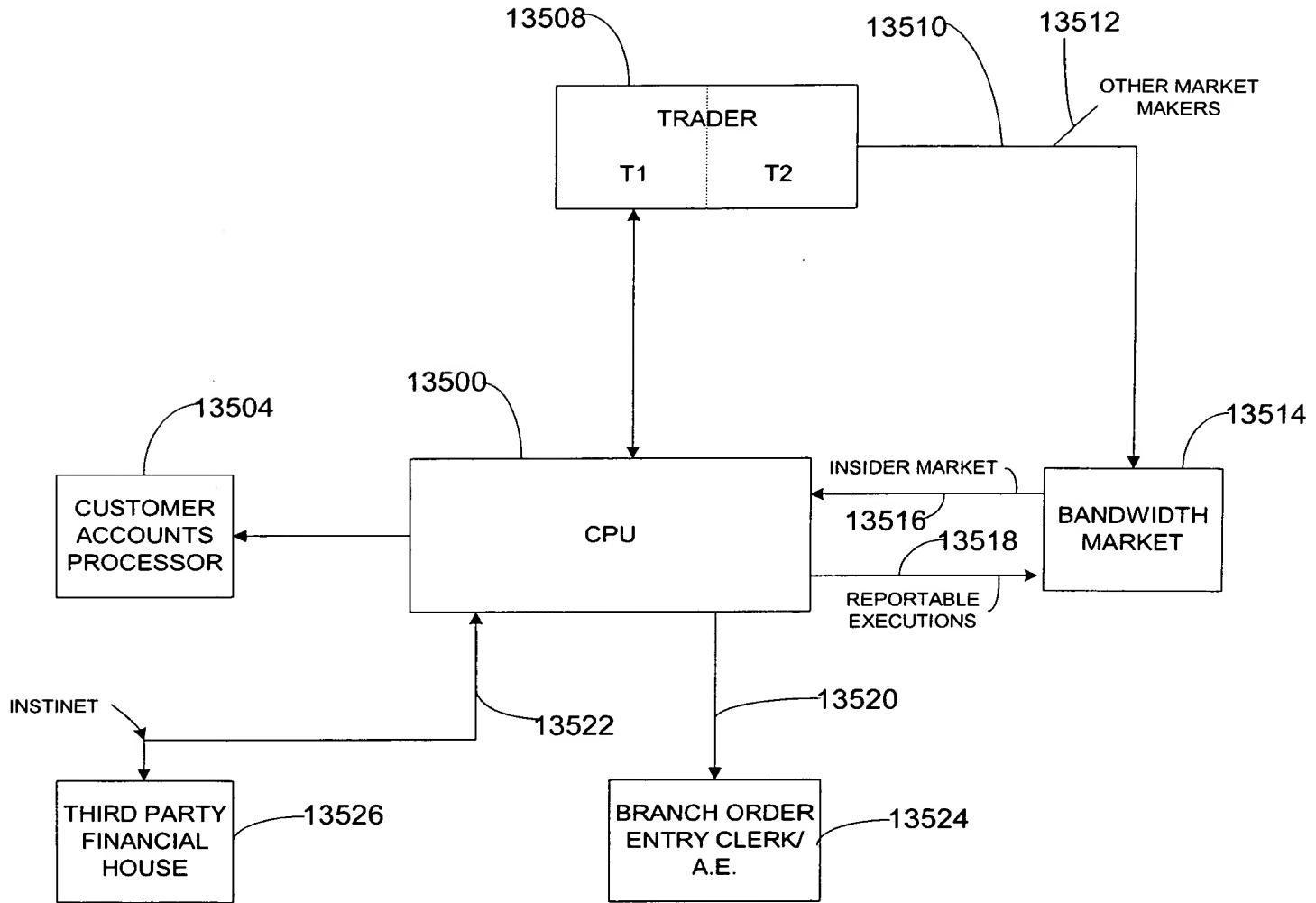


Figure 135

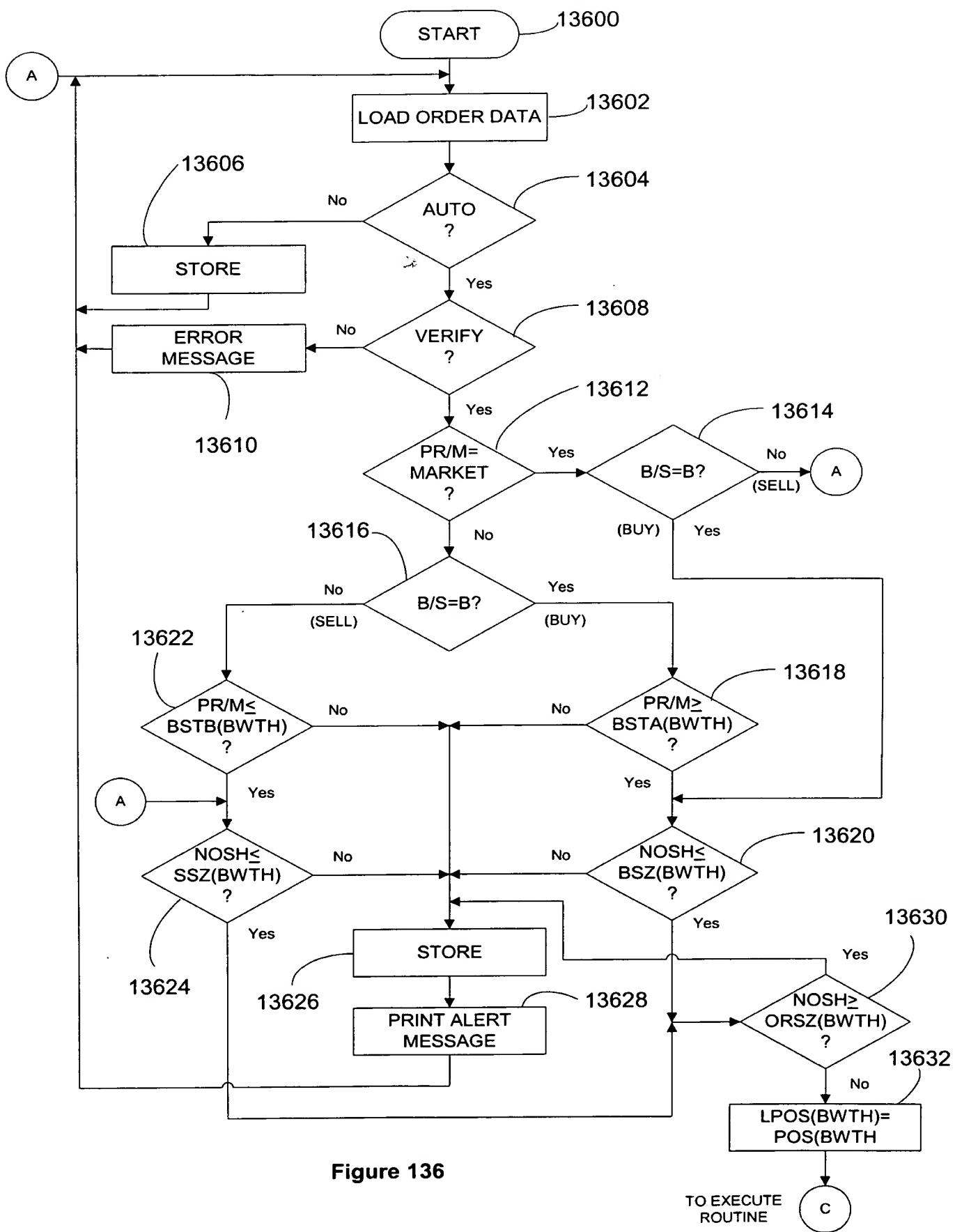


Figure 136

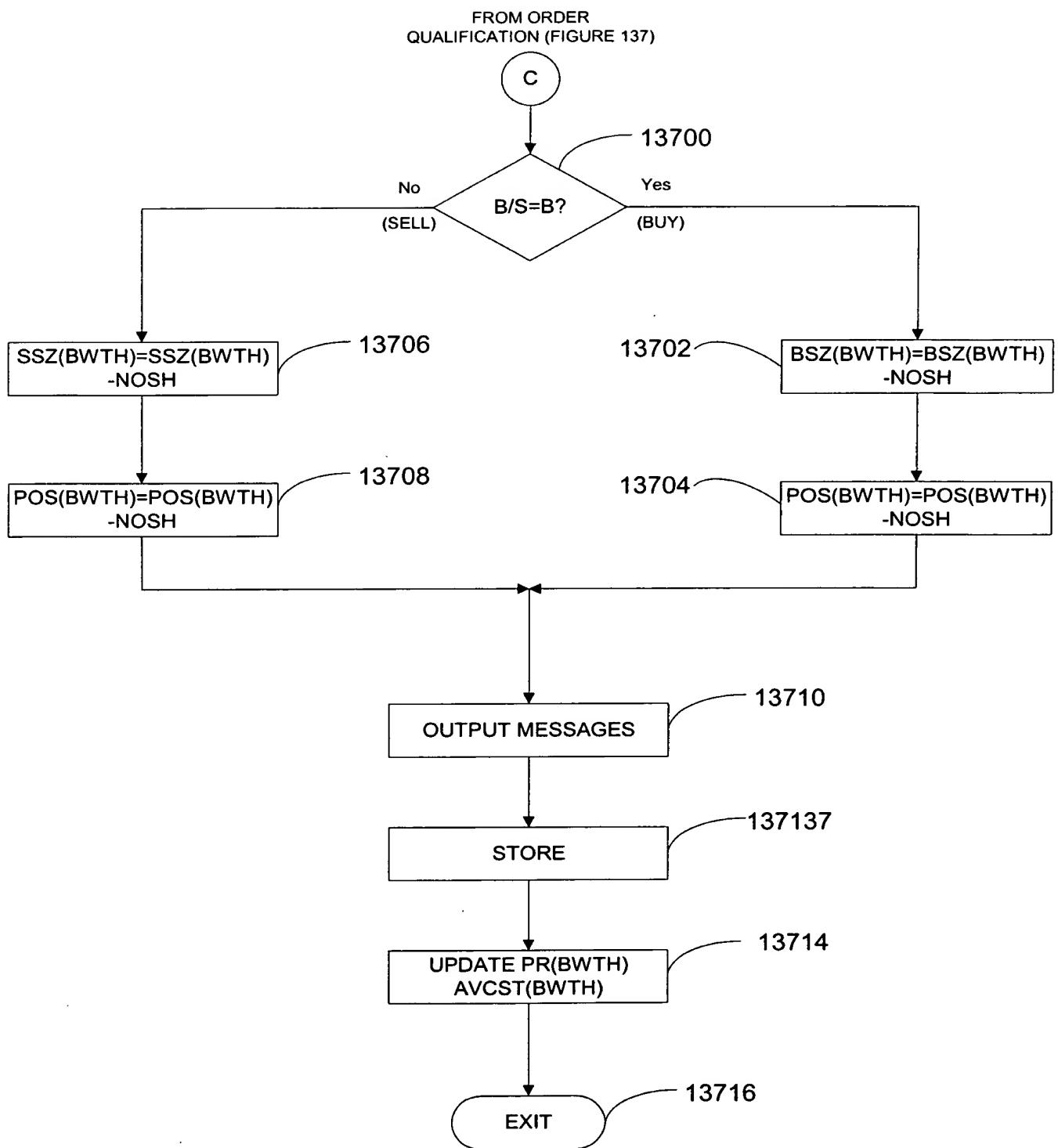


Figure 137

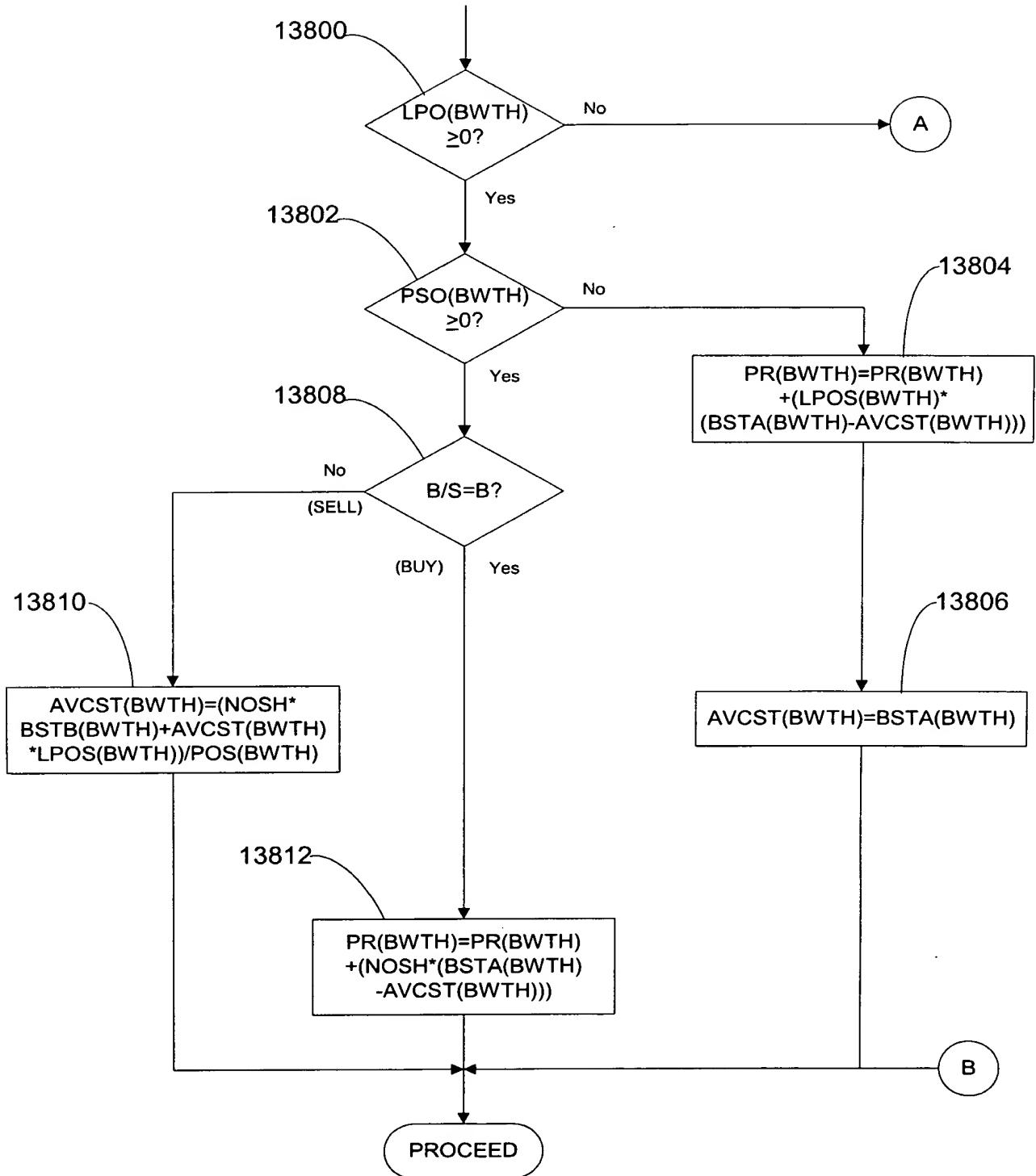


Figure 138

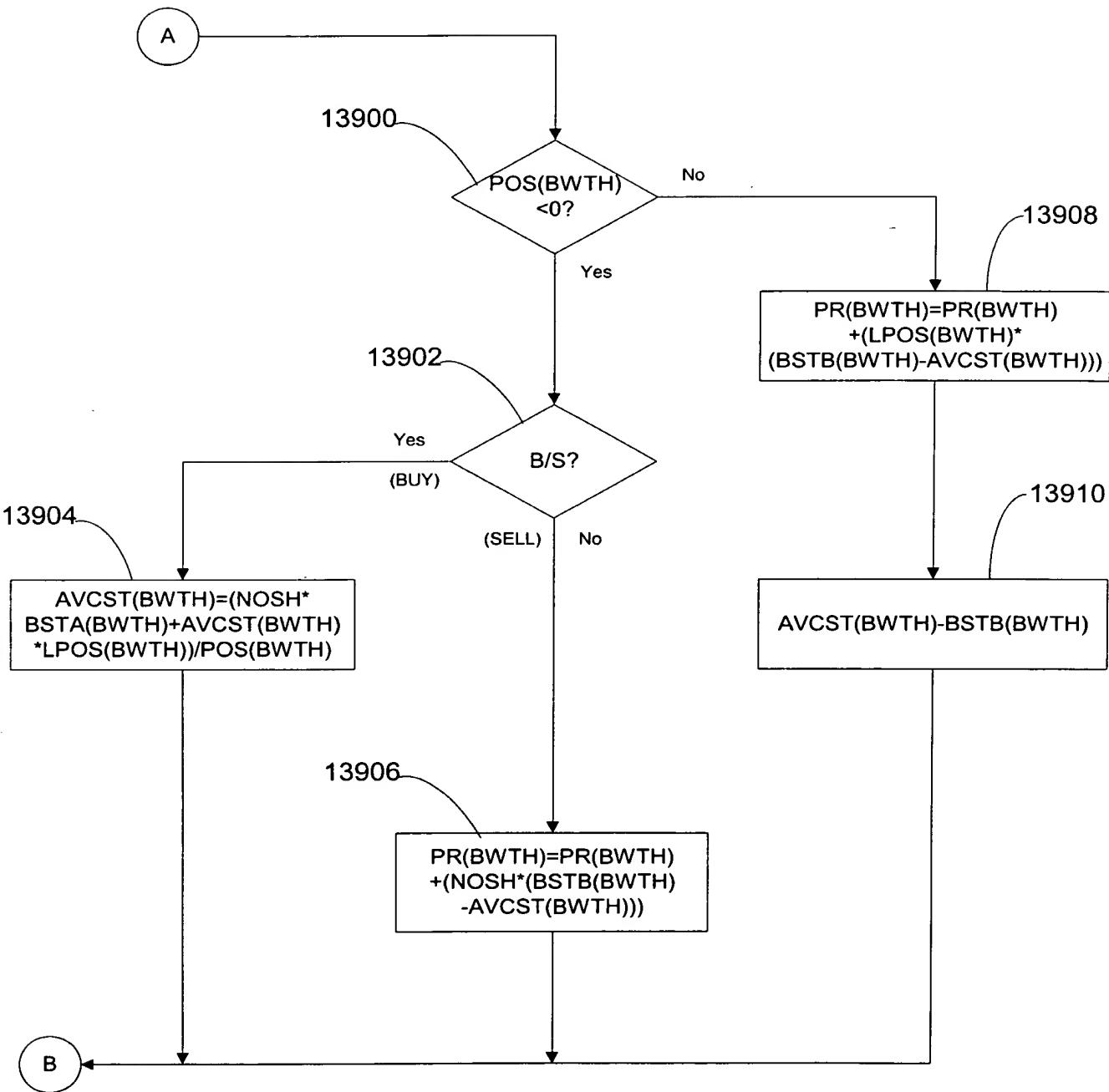


Figure 139

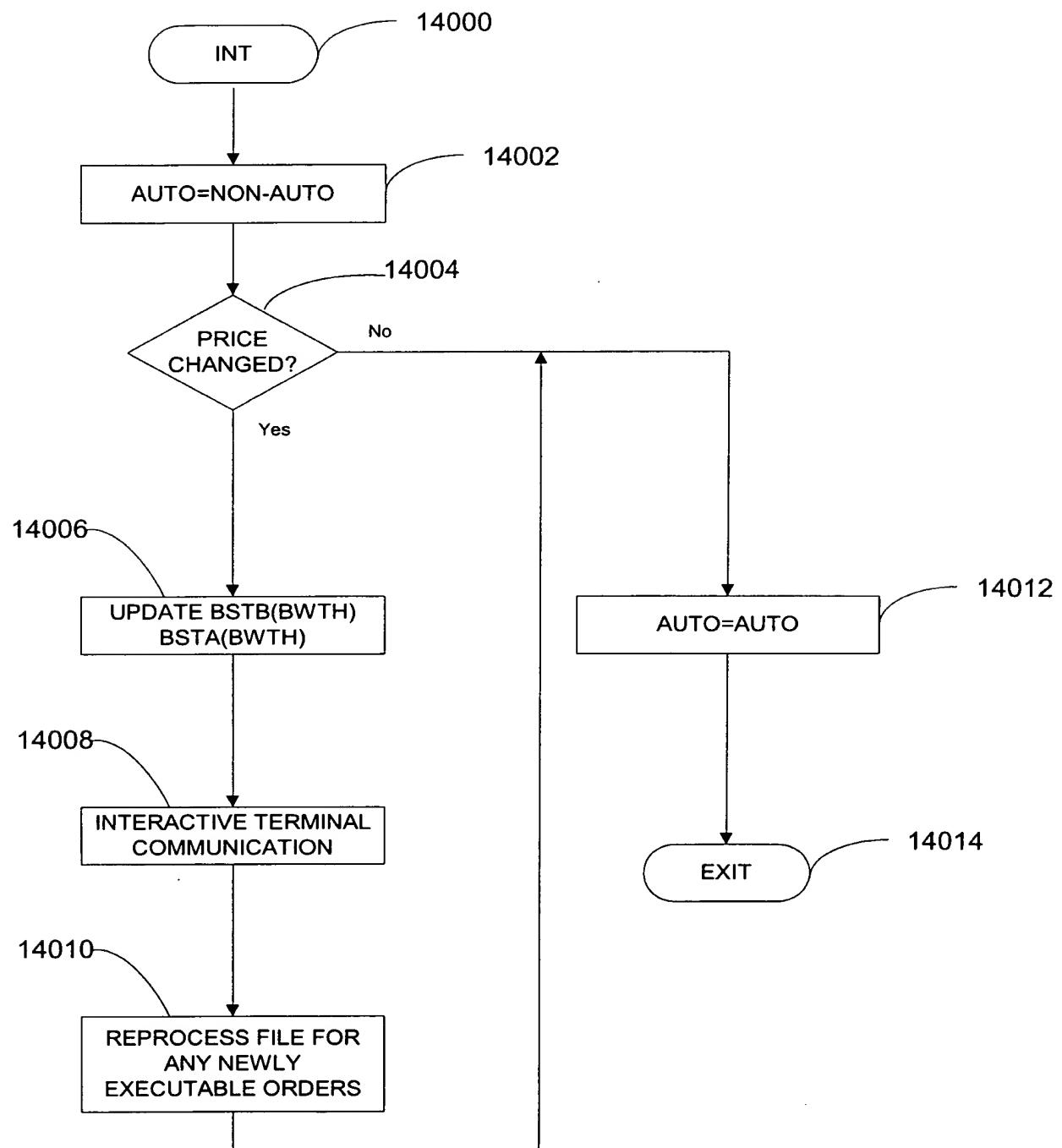


Figure 140

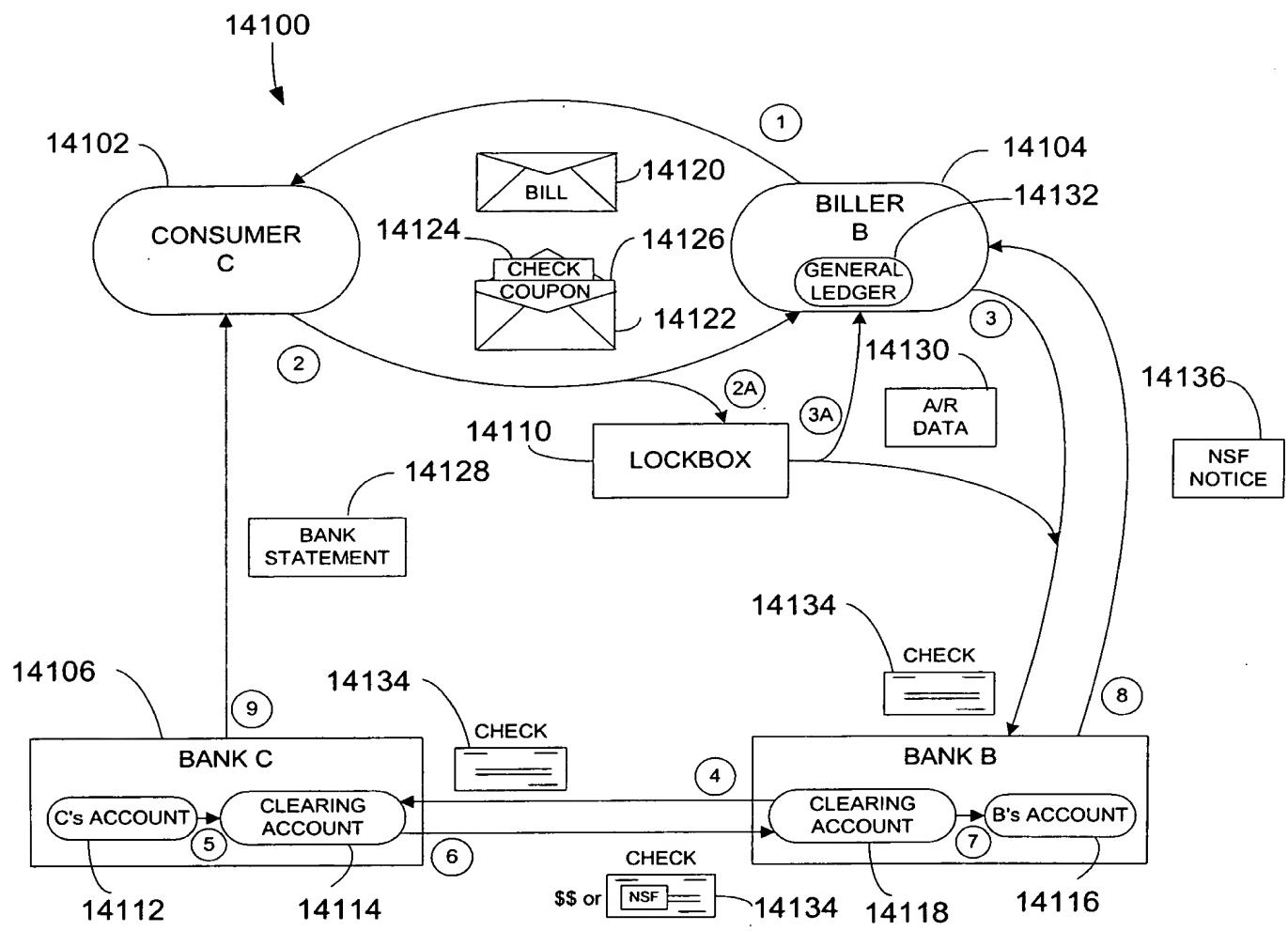


Figure 141

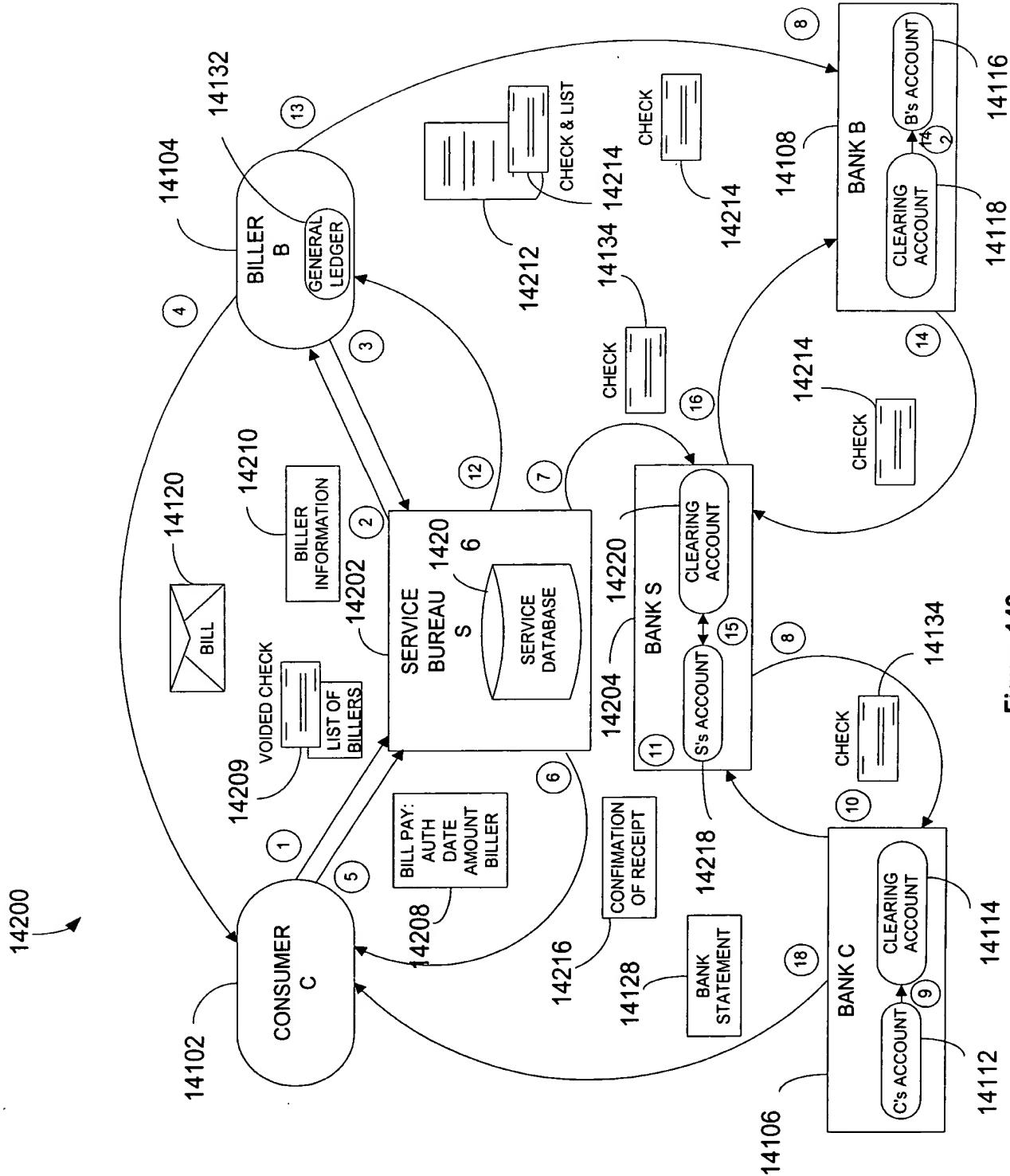


Figure 142

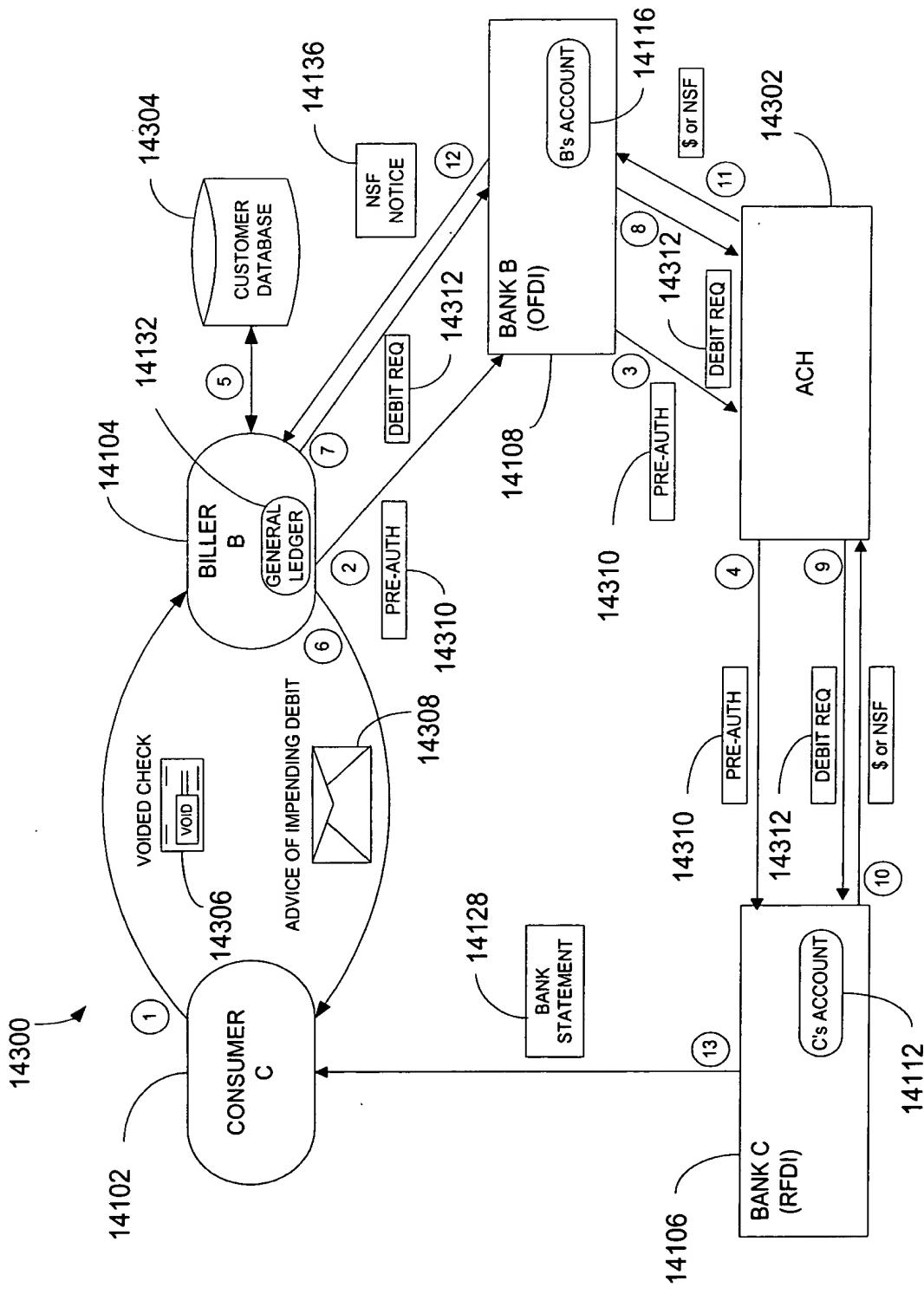


Figure 143